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GRIFFITH & TURNER CO.

ESTABLISHED 1860.

№ 16

1903.

FARM AND GARDEN SUPPLIES

BRANCH HOUSES:
116 & 118 LIGHT STREET,
366 N. GAY STREET.

GENERAL OFFICES:
205-207-209 & 213 N. PACA ST.
BALTIMORE.

TO OUR PATRONS.

THE year just passed was a record breaker. We experienced the largest trade in the history of the house; this speaks for itself. This increased trade has made it necessary for us to build another large storage warehouse. The goods that we sell and our methods of doing business evidently please our customers and this is our aim. We propose to offer the best possible values for the prices asked. Correspondence solicited with all parties desiring to purchase anything for the Farm, Garden, Lawn, Dairy, Greenhouse, Poultry Yard, &c. Give us an opportunity to demonstrate our claims. Very respectfully yours,

GRIFFITH & TURNER COMPANY.

JOHN M. GRIFFITH, President. | M. S. GRIFFITH, Vice-Prest. and Genl. Mgr. | JOHN L. TURNER, Secy. and Treas. | WM. E. QUINN, Asst. Secy. | JAMES M. HOBBS, Asst. Mgr.

205, 207, 209, 213 and 215 N. PACA ST.,

BRANCHES: 116 and 118 LIGHT STREET. 366 N. GAY STREET.

BALTIMORE, MD., U. S. A.

Cable Address, "GRIFFTURN, BALTIMORE."

1903

FERTILIZERS FOR THE FARM, LAWN AND GARDEN.

The application of Fertilizers has been a topic much discussed among farmers generally. The quality and requirements of the soil are so varied, some lands being deficient in Potash, Phosphoric Acid or some other chemical ingredient, that it is frequently very difficult for the farmer to determine just what mixture he needs. We give below a line of fertilizers best adapted to the various soils and crops.

Animal Bone Phosphate.

Made principally from Animal Bone, Potash and Ammoniates in proper proportion. A complete manure always gives good results. Specially adapted to the growth of Peas, Cabbage, Wheat and Grass—it contains all of the ingredients necessary to supply what may be lacking in the soil for almost any crop.

Price, $28.00 per ton.

Ammoniated Alkaline Plant Food.

Our old stand-by for summer crops; is used largely on Potatoes, Corn, Tobacco and other summer crops, stands the hot, dry weather particularly well.

Price, $22.50 per ton.

Ammoniated Butchers' Bone Phosphate.

Is made largely from slaughter-house stock; used principally for Wheat and Grass, as well as by growers of Corn and Tomatoes for canning purposes; a good article at a low price.

Price, $22.50 per ton.

Soft Ground Bone.

Made from softer material than the regular "Ground Bone," and contains some little meat and blood. The great objection to the use of Pure Bone (the price) no longer prevents its use by anyone wanting to restore worn-out land. Try it and be convinced.

Price, $27.00 per ton.

Dissolved Bone.

Made from stock containing some meat, thoroughly dissolved, and in fine drilling condition. Farmers wishing a fertilizer for immediate action will find in this brand a reliable manure of good value, and one whose good effect can be seen for a long time.

Price, $27.00 per ton.

Soluble Bone Phosphate.

A good cheap Fertilizer. Quite a number of chemists claim that Ammonia adds very much to the cost of Fertilizers without being of much agricultural value; that is, sufficient Ammonia can be obtained from the atmosphere, etc., etc. Whether or not this theory is correct, quite a number of people have used our Soluble Bone with very satisfactory results. To supply such a trade we offer the above.

Price, $16.00 per ton.

Tobacco Bed Fertilizer.

This brand is specially well adapted for use on tobacco beds, containing 10 per cent. of Ammonia and a large percentage of Potash and Phosphoric Acid. A most excellent substitute for Peruvian Guano. In bags, 167 lbs.

$4.00 per bag, $45.00 per ton.

Special Mixture.

A new brand introduced by us this year; a complete Fertilizer, containing Ammonia, Potash and available Phosphoric Acid in proper proportions.

Price $17.00 per ton.

Peruvian Guano.

10 per cent. goods. In bags of 167 pounds.

High Grade Acid Phosphate.

Kainit.

Muriate of Potash.

Nitrate of Soda.

Fine Ground Fish.

Ground Tankage.

Prices on application.

Land Plaster.

In bags 200 pounds each.

90c. per bag. $7.50 per ton.

Pulverized Sheep Manure.

This is purely a natural and most nutritious plant food, clean to handle, and its effect is immediate and lasting. There is nothing better to mix with soil for potting plants. Florists who use it extensively advise mixing about one-seventh manure and six-sevenths soil. As a top dressing for lawns it is unequaled.

5 lbs., 25c.; 10 lbs., 40c.; 30 lbs., $1.00; 50 lbs., $1.50; 100 lbs., $2.50.

Special prices in tons, ½ tons, or car load.

Bone Flour.

Made especially for Florists and Gardeners. This flour is passed through a 30-mesh screen, and is consequently exceedingly fine, and in addition to this, it is the Pure Bone, containing no foreign matter at all. Write for sample.

Price, $4.00 per bag of 167 lbs.

Jadoo Fibre.

A new material in which every plant thrives without earth.

5 lbs., 30c.; 10 lbs., 50c.; 25 lbs., $1.10; bags of 120 to 130 lbs., 3c. per lb.

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE.

GUGGENHEIMER, WEIL & CO., PRS., BALTO.

1903

OUTFITTERS OF EVERYTHING FOR THE

GRIFFITH & TURNER COMPANY,

205, 207, 209 and 213 NORTH PACA STREET,

BALTIMORE, MARYLAND, U. S. A.

FARM GARDEN, DAIRY, POULTRY YARD.

PLEASE NOTE.—The Prices in this Catalogue are all **SUBJECT TO CHANGE WITHOUT NOTICE.** This is rendered necessary in the Seed Department owing to partial failures of crops in some of the seed growing sections, and a total failure in others, and, in the Implement Department, it is owing to the great fluctuation of prices in the iron and steel market.

TIME FOR SOWING IN THE OPEN GROUND.

THESE DIRECTIONS apply to the vicinity of Baltimore and Philadelphia. South of this they should be sown earlier, and North later.

BEANS.—From 1st of May till August.

BEETS.—Soon as ground can be worked in spring.

CABBAGE.—For early use, sow in hot bed in February and transplant in April to open ground; for late use, sow in May or June.

CAULIFLOWER.—Sow about the same time as Cabbage. For late crop sow in June, and they will head up in cool weather, and escape injury from the heat.

CARROT.—For early, sow from 1st of April to middle of May, and for late crop in June or July.

CELERY.—Sow as soon as ground is open in spring, and transplant in July.

CUCUMBER.—Sow about 1st of May for early, and for pickling in July.

LETTUCE.—Sow as soon as ground can be worked in spring, and at intervals as desired.

MELONS.—Sow in May and June.

ONION.—Sow early as possible in spring.

PARSNIP.—Soon as ground can be worked.

PEAS.—Sow in March and at intervals through the season, as desired.

PUMPKIN.—Plant in May or June.

RADISH.—Soon as ground is ready, and all through the season, at intervals.

SQUASH.—Soon as ground is warm.

TOMATO.—Sow in hot bed in March, and transplant about middle of May.

TURNIP.—For early use, in April; for main crop, July and August.

CABBAGE—1 oz. of Seed will produce..........2000 plants.
CAULIFLOWER—1 oz. of Seed will produce....2000 "
CELERY.—1 oz. of Seed will produce..........3000 "
EGG PLANT—1 oz. of Seed will produce......1000 "

TO COUNTRY MERCHANTS.

WE PUT UP VEGETABLE SEEDS in papers for the Country Trade in quantities to suit purchasers.

Our Seeds are select and tested, and give satisfaction wherever used.

Beans, Peas, Corn, etc., in bulk, at lowest wholesale rates. Write for special quotations in quantities.

Should you have placed your order for small papers for this year, we will be pleased to fill any shortage you may have, and solicit your patronage for another season.

LETTUCE.—1 oz. of Seed will produce........3000 plants.
PEPPER.—1 oz. of Seed will produce............1000 "
TOMATO.—1 oz. of Seed will produce..........1500 "

HINTS ON TRANSPLANTING TREES.

The proper season for transplanting fruit trees is during the months of February, March and April in the spring, and October, November and December in the autumn.

PROPER AGE AND SIZE OF TREES FOR TRANSPLANTING.

Experience has taught observing planters that a small, young tree, set at the same time, will in a few years overtake and pass a large one, and continue more vigorous and productive. Large trees are necessarily or unavoidably more injured in digging than small ones. The latter can be moved with their system of roots almost entire.

NUMBER OF TREES TO AN ACRE.

The question is frequently asked how many trees should be planted to an acre. We give below a table of various distances:

3 feet each way	4,840	20 feet each way	108
4 feet each way	2,722	25 feet each way	69
5 feet each way	1,742	30 feet each way	48
6 feet each way	1,210	33 feet each way	40
8 feet each way	680	35 feet each way	35
10 feet each way	435	40 feet each way	27
12 feet each way	302	45 feet each way	21
15 feet each way	193	50 feet each way	17
18 feet each way	134		

DISTANCE FOR PLANTING.

Std. Apple	33 to 40 feet each way.
Std. Pear and large-growing Cherry	20 feet each way.
Duke and Morello Cherry	20 feet each way.
Std. Plum, Apricot and Nectarine	15 to 20 feet each way.
Peach	20 feet each way.
Quince	12 feet each way.
Dwarf Pear	10 feet each way.
Currant, Gooseberry, Raspberry and Blackberry	4 to 5 feet each way.
Grapes	6 to 10 feet each way.

WEIGHT OF AGRICULTURAL SEEDS, PER BUSHEL, AND QUANTITY USUALLY SOWN PER ACRE.

Weight per Bushel.		Pounds per Acre.
14 lbs.	Kentucky Blue	28 lbs.
10 "	Red Top, if for lawns	30 to 40 "
10 "	Red Top, if for pasture	15 to 30 "
32 "	Red Top, extra recleaned	20 to 25 "
14 "	Orchard Grass	42 "
24 "	English Rye or Perennial Rye	60 "
22 "	Italian Rye	50 "
14 "	Meadow Fescue	50 "
14 "	Tall Meadow Fescue	50 "
12 "	Sheep Fescue	30 "
7 "	Meadow Foxtail	30 "
21 "	Crested Dog's Tail	25 "
14 "	Awnless Brome	35 to 40 "
14 "	Wood Meadow	30 "
20 "	Creeping Bent	50 "
10 "	Tall Meadow Oat	50 "
45 "	Timothy, alone	½ bus.
..	" with other grasses	8 to 10 lbs.
60 "	Alsike, alone	6 "
60 "	Alfalfa or Lucerne	20 "
60 "	White Clover, alone	6 "
..	White Clover, with other grasses	3 "
14 "	Evergreen Lawn	3 to 4 bus.
60 "	Crimson Clover	15 to 20 lbs.
50 "	German Millet	50 "
48 "	Hungarian Millet	48 "
60 "	Red Clover	15 "
	Together for an acre—	
..	Red Clover	8 "
..	Timothy	10 "
..	Red Top	14 "
60 "	Wheat, broadcast	1½ to 2 bus.
..	Wheat, in drills	1¼ "
56 "	Rye, broadcast	1 "
32 "	Oats, broadcast	2 to 2½ "
56 "	Sorghum, drills	4 qts.
..	Sorghum, broadcast	8 "
52 "	Flax, for seed	1 bus.
..	Flax, for fibre	2 to 3 "

VEGETABLE SEED TABLET

THE QUANTITY OF SEED USUALLY SOWN TO AN ACRE.

Aspargus	5 lbs.
Barley, broadcast	2 to 3 bus.
Beans, dwarf in drills	1 to 1½ "
Beans, pole, in hills	8 to 10 qts.
Beet, in drills	4 to 6 lbs.
Broom Corn, in hills	4 to 6 qts.
Buckwheat, broadcast	¾ bus.
Cabbage, in beds, to transplant	¼ lb.
Carrot, in drills	2 to 3 lbs.
Celery, to transplant	½ lb.
Corn, in hills	8 qts.
Corn, for soiling	2 to 3 bus.
Kale	4 to 6 lbs.
Melon, musk	1½ to 2 "
Melon, water	2 to 3 "
Mustard, broadcast	12 to 16 qts.
Mangoldwurzel	4 to 6 lbs.
Onions, in drills to make large onions)	6 to 8 "
Onion Seeds, for small sets	40 to 60 "
Parsnip, in drills	4 to 6 "
Peas, early, in drills	1 bus.
Peas, Marrowfat, in drills	1¼ "
Peas, broadcast	2 to 3 "
Potato, cut tubers, in drills	8 "
Radish, in drills	6 to 8 lbs.
Radish, broadcast	10 "
Salsify, in drills	6 to 8 "
Spinach, in drills	12 to 15 "
Squash, bush varieties, in hills	4 to 6 "
Squash, running varieties, in hills	3 to 4 "
Turnip, in drills	1 lb.
Turnip, broadcast	2 to 3 lbs.
Tomato, to transplant	¼ lb.
Vetches, broadcast	2 to 3 bus.

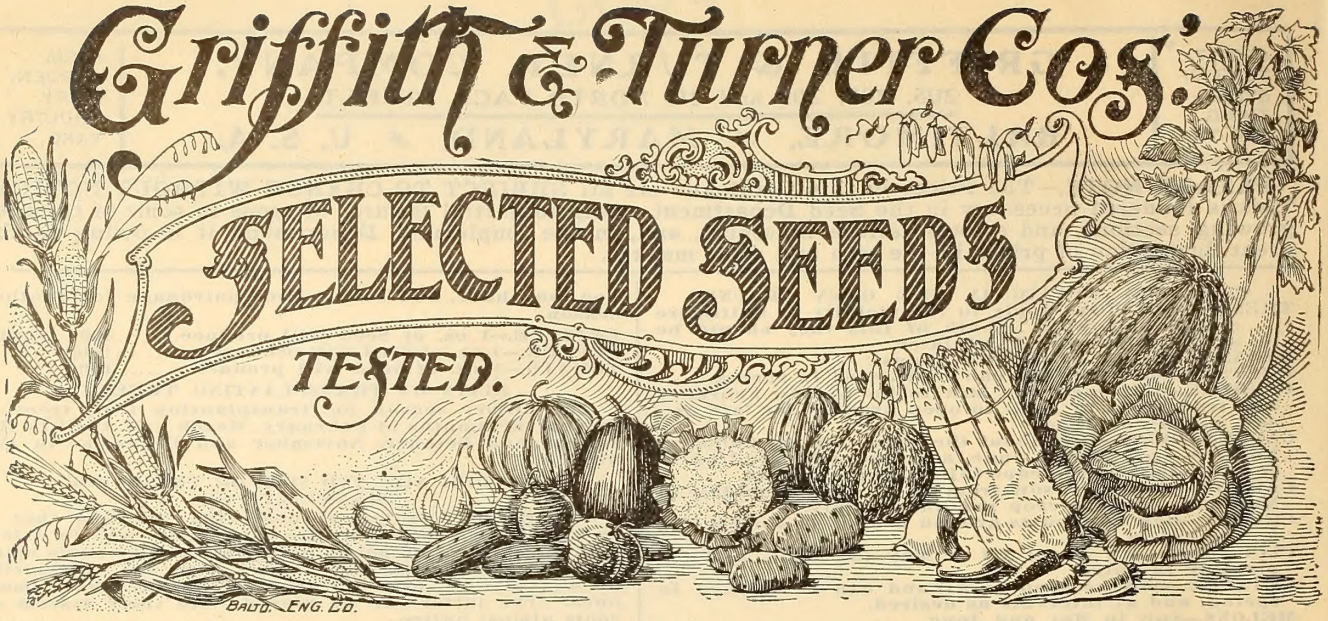
QUANTITY OF SEEDS REQUIRED FOR A GIVEN NUMBER OF PLANTS, NUMBER OF HILLS, OR LENGTH OF DRILLS.

Asparagus	1 oz. to 50 ft. drill
Beet	1 oz. to 50 ft. drill
Celery	1 oz. to 100 ft. drill
Carrot	1 oz. to 100 ft. drill
Endive	1 oz. to 150 ft. drill
Egg Plant	1 oz. to 300 ft. drill
Lettuce	1 oz. to 150 ft. drill
Okra	4 oz. to 100 ft. drill
Onion	1 oz. to 100 ft. drill
Onion Sets, small	1 qt. to 100 ft. drill
Parsley	1 oz. to 150 ft. drill
Parsnip	3 oz. to 100 ft. drill
Radish	2 oz. to 100 ft. drill
Salsify	1 oz. to 70 ft. drill
Spinach	2 oz. to 100 ft. drill
Turnip	1 oz. to 150 ft. drill
Peas	1 qt. to 100 ft. drill
Dwarf Beans	1 qt. to 100 ft. drill
Leek	1 oz. to 100 ft. drill
Pole Beans	1 qt. to 150 hills
Corn	1 qt. to 200 hills
Cucumber	1 oz. to 50 hills
Watermelon	1 oz. to 30 hills
Muskmelon	1 oz. to 60 hills
Pumpkin	1 oz. to 40 hills
Early Squash	1 oz. to 50 hills
Marrow Squash	1 oz. to 16 hills
Cabbage	1 oz. seed will produce 2000 plants
Caulifl'r	1 oz. seed will produce 2000 plants
Celery	1 oz. seed will produce 3000 plants
EggPlant	1 oz. seed will produce 1000 plants
Lettuce	1 oz. seed will produce 3000 plants
Pepper	1 oz. seed will produce 1000 plants
Tomato	1 oz. seed will produce 1500 plants

Griffith & Turner Cos.'

SELECTED SEEDS

TESTED.

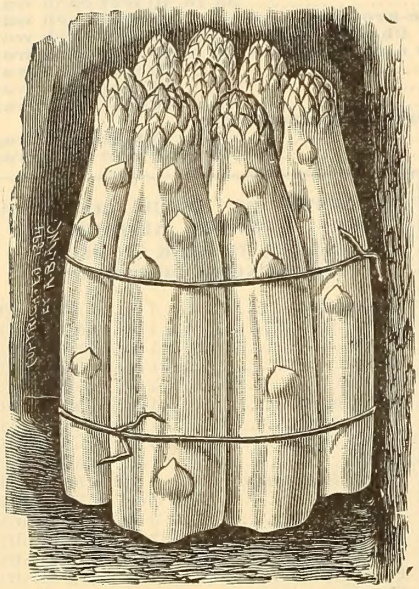


GRIFFITH & TURNER CO. gives no warranty, expressed or implied, as to description, quality, productiveness, or any other matter, of any Seeds, Bulbs or Plants they send out, and they will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms, they are at once to be returned.

ASPARAGUS, German, Spargel, ETC.

THIS is one of the earliest spring vegetables, and should be in universal use. Many persons think it is difficult to grow, but we consider this a mistake, and believe it can be produced as cheaply and easily as any on the list. Sow the seed in the seed bed late in the fall or in the early spring, as soon as the ground can be worked, in drills one foot apart, covering the seed about one inch deep. When the plants are four to five inches high, great care should be taken to keep the bed free of weeds. One ounce of seed will sow forty feet of row. Thin to nine inches in the row.

MAMMOTH WHITE ASPARAGUS.

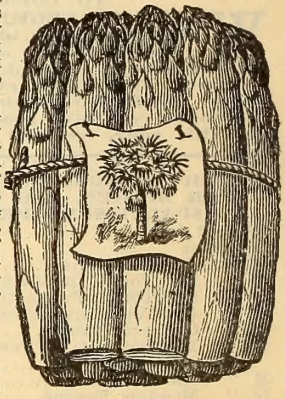


MAMMOTH WHITE.

IN ADDITION to the marvelous advantage of its white color, the Columbian Mammoth White Asparagus is even more robust and vigorous in habit and throws larger shoots, and fully as many of them, as the Conover's Colossal. When we add to these the immense advantage of its needing no earthing up in order to furnish the white shoots so much sought after, we think it evident that it is superior to any sort now in cultivation, and that no Asparagus grower can afford to plant seed of any other kind. Market gardeners, growers for canners and amateurs should give this great acquisition a thorough trial. **Pkt., 5c. Oz., 10c. 1/4 Lb., 20c. Lb., 60c.**

BARR'S MAMMOTH. This splendid variety, highly recommended for its many good qualities, is very productive and about 10 days earlier than Conover's Colossal. The stalks are very large and retain their thickness completely up to the top of the shoots; very tender and succulent; of delicious flavor; grow very quickly; light in color. **Pkt., 5c. Oz., 10c. 1/4 Lb., 15c. Lb., 50c. 5 Lbs., $2.**

PALMETTO ASPARAGUS.



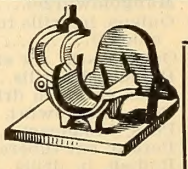
THIS Asparagus, said to have originated in South Carolina, is now quite extensively grown by Southern gardeners for New York and Philadelphia markets, where it sells at very high prices, owing to its mammoth size and regularity. An average bunch of 15 shoots will measure 13 to 14 inches in circumference. For several seasons this Asparagus has reached Northern markets 10 days ahead of all other varieties, and sold at fabulous prices. **Pkt., 5c. Oz., 10c. 1/4 Lb., 20c. Lb., 40c. 5 Lbs., $1.75.**

CONOVER'S COLOSSAL.-The old and well-known variety. **Pkt., 5c. Oz., 10c. 1/4 Lb., 20c. Lb., 40c. 5 Lbs., $1.50.**

ASPARAGUS ROOTS.

A saving of one to two years is effected by planting roots. A bed 12x40 feet, requiring about 100 roots, should give a sufficient supply for an ordinary family. 7,260 roots will plant an acre. Select good loamy soil, plough deep, put in good quantity of manure, and 100 lbs. kainit to 1,000 square feet of bed. Incorporate thoroughly, make a trench 8 inches deep, set plants 9 inches apart. In field culture rows are placed 4 feet apart.

Barr's Mammoth.—Per 100, **$1.00.** Per 1000, **$4.50.**
Palmetto.—Per 100, **75c.** Per 1000, **$4.00.**
Colossal.—Per 100, **75c.** Per 1000, **$4.00.**
Mammoth White.—Per 100, **$1.00.** Per 1000, **$5.00.**
Extra size roots, 50c. per 1000 additional to above prices.



Asparagus Buncher.

BEST ASPARAGUS BUNCHER.—$1.50.
ASPARAGUS KNIVES.—30c. By mail, **40c.**

ARTICHOKES.

LARGE GREEN GLOBE.—This is a very nice vegetable to eat. Some prefer it cooked like Asparagus; that is, take the flower head before it begins to open and cook much the same way as Asparagus. **Pkt., 10c. Oz., 30c.**

JERUSALEM.— The tubers roasted, or boiled, served with butter, salt and pepper, makes a dish some think superior to Potatoes. They are most excellent feed for cows and will cause an increase in quantity and quality of milk. **Pk., $1. Bus., $2.50.**

DWARF BEANS.

1 quart will plant 100 feet of drill.
Add **8c.** per pint, or **15c.** per quart, on all Beans if to be sent by mail.
Select light, warm soil, and plant when danger from frost is past in the spring, in drills 2 to 2½ feet apart, dropping the Beans about 2 inches apart in the drills, and cover 2 inches deep. A succession of sowings can be made from the first week in May until August.

WHITE MARROWFAT.—Extensively grown for sale as a dry bean for winter use. **Qt., 15c. Peck, 90c. Bus., $3.25.**

WHITE NAVY.—A well-known variety for field culture, very prolific. **Qt., 15c. Peck, 90c. Bus., $3.00.**

BEANS.

DRAWF, BUSH OR SNAP.

DWARF GREEN PODDED.

EARLIEST MARKET.—This is well named, being the earliest Bean in existence, and therefore very profitable to the market gardener, and desirable to the private gardener as well. The pods are long, broad, green and very showy, reaching maturity in 30 days from germination, and the habit of vine very productive

Pt., 20c. Qt., 35c. Peck, $2.00. Bus., $6.00.

EXTRA EARLY REFUGEE.—It is similar in every respect to the ordinary Refugee, but is nearly two weeks earlier. It is enormously prolific, and from its earliness is almost certain to produce a crop, no matter how unfavorable the season. Is rapidly becoming a favorite sort, as it matures equally early with Red Valentine, and has that beautiful silvery green color in the pods that is so much desired.

Pt., 15c. Qt., 25c. Peck, $1.35. Bus., $4.75.

EARLY MOHAWK.—Pt., 15c. Qt., 25c. Peck, $1.25. Bus., $4.50.

DWARF HORTICULTUAL (CHERRY).—A very green-podded sort, used as a shell Bean, and for this purpose is one of the finest in general use; long a favorite with those who use a shell Bean in a green state.

Pt., 15c. Qt., 25c. Peck, $1.50. Bus., $5.00

BEST OF ALL.—One of the most valuable green-podded sorts for family or market use. The pods are six inches long, very fleshy, succulent, stringless, and of rich flavor; are produced early and abundantly. **Qt., 25c. Peck, $1.75.**

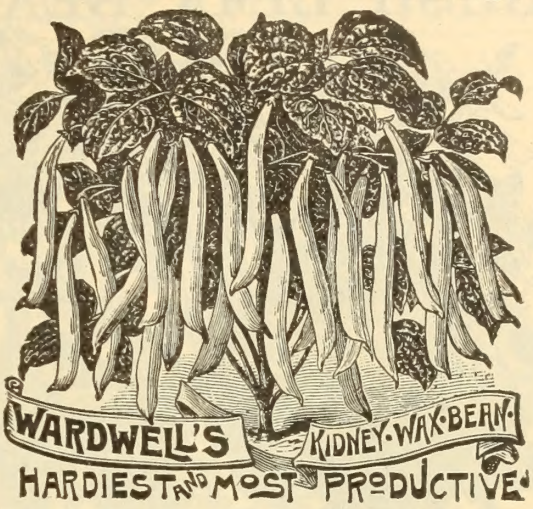
EMPEROR WILLIAM.—An extra early white variety of good quality.

Pt., 15c. Qt., 30c. Peck, $1.75.

LONG YELLOW SIX WEEKS.—Very early, hardy Bean.

Pt., 15c. Qt., 25c. Peck, $1.25. Bus., $4.50.

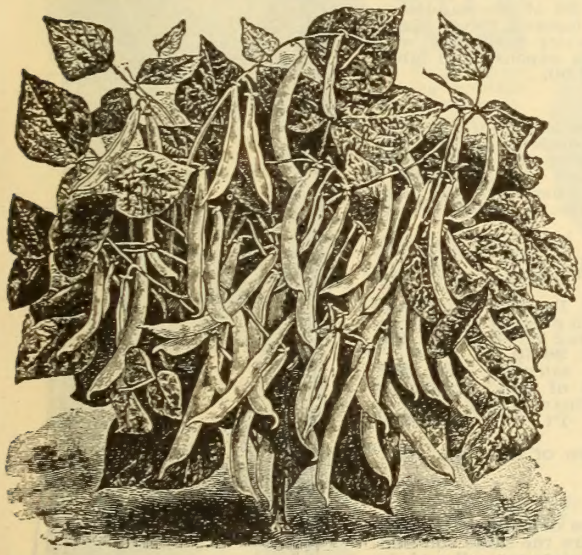
DWARF WAX PODDED.



WARDWELL'S KIDNEY WAX BEAN.

THIS is one of the best wax sorts. The vines are remarkably vigorous, hardy and productive. The pods are very large, smooth, showy, tender, perfectly stringless, and of unusually fine quality.

Pt., 15c. Qt., 35c. Peck, $2.25. Bus., $8.00.



JONES' WHITE SEED STRINGLESS ROUND POD WAX BEAN.—Nice bush type, strong growth, rust-proof on all soils and in the most unfavorable seasons. It is nearly a week earlier than any strain of Black Wax. Pods long, perfectly round and very solid. Can be planted later in the season than any other Wax Bean with a certainty of a crop. Perfectly stringless at all stages of growth; retains its brittleness and fine table quality when nearly matured. When ripe, seeds are white, medium round and plump, and will grade as No. 1 Medium or Small Marrows. **Pt., 30c. Qt., 50c.**

NEW PENCIL-POD WAX BEAN.—Very early and productive. Pods long, straight and handsome; color light golden yellow; strong and vigorous bush. One of the best varieties.

Pt., 15c. Qt., 30c. Peck, $2.00. Bus., $7.00.

CURRIE'S RUST-PROOF BLACK WAX.—For earliness and freedom from rust it is at the head of the Wax Bean family. Habit, upright and robust, holding the pods well from the ground. Pods long, straight, flat and and very meaty, of a beautiful color; quality not surpassed, and for productiveness it is unequaled.

Pt., 15c. Qt., 30c. Peck, $2.00. Bus., $7.00.

IMPROVED RUST-PROOF GOLDEN WAX.—This is the earliest, handsomest and hardiest of all the Wax Beans. The pods are straight, long and thicker than the ordinary Golden Wax, much superior in quality, absolutely rust-proof, and sure to become the favorite Wax Bean; in fact, it has already gained great popularity with growers.

Pt., 15c. Qt., 30c. Peck, $2.00. Bus., $7.25.

NEW GOLDEN-EYED WAX.—This fine new bush Bean is very early; the the vine grows vigorously to about 1½ feet high, holding pods off the ground. The pods are handsome, long, straight and flat, remarkably free from rust, and keeps well. **Pt., 15c. Qt., 25c. Peck, $1.75.**

HOPKINS EXTRA EARLY RED VALENTINE.

TEN DAYS earlier than the ordinary Red Valentine Bean, and therefore the best for truckers and market gardeners. It is without doubt the very best and earliest green Snap Short Bean. The habit of the vine is dwarfed and very uniform. Color of pods light green, round, curved, succulent, prolific, continuing long in edible condition.

Pt., 15c. Qt., 25c. Peck, $1.25. Bus., $4.50.

EARLY RED VALENTINE.—Pt., 15c. Qt., 25c. Peck, $1.25. Bus., $4.25.

BURPEE'S NEW STRINGLESS GREEN POD.—One of the earliest varieties, pods round and full, absolutely stringless, and of beautiful fleshy appearance, quality excellent. The only green-pod Bean of which the pods never develop any strings.

Pt., 15c. Qt., 25c. Peck, $1.25. Bus., $4.50.

GIANT STRINGLESS GREEN POD.—Resembles very much the old Valentine. The plants are of strong growth, very productive; pods 5 inches long, light green, slightly curved, very meaty, brittle and stringless at all stages and of mild flavor.

Pt., 15c. Qt., 25c. Peck, $1.25. Bus., $4.25.

DWARF WAX PODDED.

DAVIS' KIDNEY WHITE WAX.—One of the best White Wax Bean known. Vigorous grower, bears abundantly; long, white, handsome pods, which are very crisp and tender if gathered when young. **Pt., 15c. Qt., 30. Peck, $2.00. Bus., $7.50.**

DWARF PROLIFIC BLACK WAX.—Yellow pod; a very superior snap short, ripening among the first earlies, and having the best characteristics. Very tender.

Pt., 15c. Qt., 30c. Peck, $2.25.

BUSH LIMA BEANS.

BURPEE'S BUSH LIMA.

THE BUSH LIMA BEANS ARE RAPIDLY GAINING FRIENDS AND HAVE EVIDENTLY COME TO STAY.

THE bushes grow 18 to 20 inches high, stout growth and always erect, yet branching so vigorously that each plant develops into a magnificent circular bush, from 2 to 3 feet in diameter. The bush character is thoroughly established, not one plant in a thousand showing any disposition "to run." It is an immense yielder, each bush bearing from 50 to 200 of the handsome large pods, well filled with very large Beans, which are identical in size and luscious flavor to the well-known large Pole Limas. By the introduction of this most valuable novelty the largest and best Lima Beans can now be raised in quantity at little cost, without the expense and labor attached to the use of poles. Pt., **15c.** Qt., **30c.** Peck, **$1.85.** Bushel, **$7.00.**

DREER'S BUSH LIMA.

A DWARF variety of the Dreer's Improved Lima, which has been fixed in its character of a bush Bean; it is very prolific, single plants often producing from 150 to 200 pods. Equal in quality and tenderness to Dreer's Pole Lima. Pt., **15c.** Qt., **30c.** Peck, **$1.85.** Bushel, **$7.00.**

HENDERSON'S DWARF LIMA.

These are valuable because they do not need poles, and being so dwarf can be planted close together.

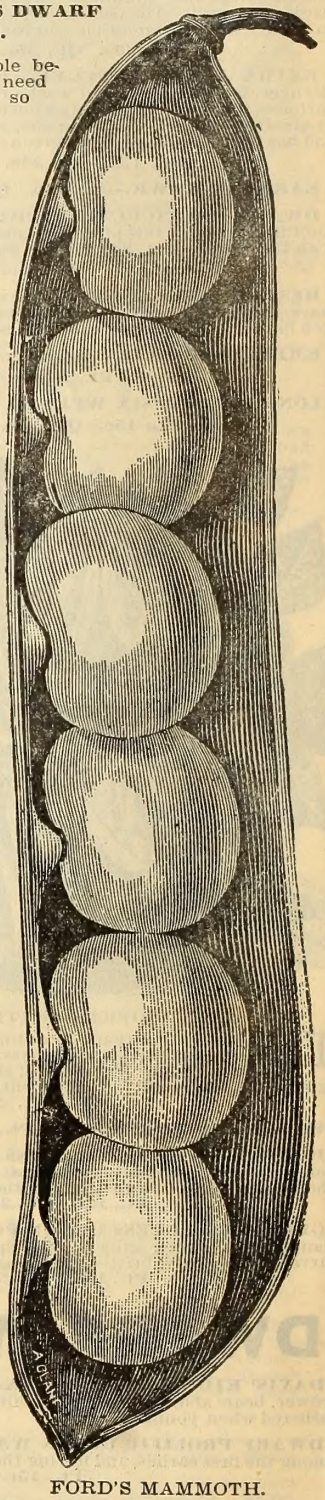
They are very early and prolific, continuing to bear until frost.

Pt., **15c.**

Qt., **30c.**

Peck, **$1.75.**

Bushel, **$6.50.**



FORD'S MAMMOTH.

POLE LIMA BEANS.

FORD'S MAMMOTH POLE LIMA BEAN.—The pods grow to an average length of 8 inches, are produced in great clusters, with from 5 to 7 Beans per pod, of most excellent quality, for using either green or dry. The vines grow vigorously, setting the Beans early at the bottom of the pole, and continue in bearing up to frost. Pt., **15c.** Qt., **30c.** Peck, **$1.85.** Bushel, **$7.00.**

EXTRA EARLY JERSEY LIMA.—This variety is 2 weeks earlier than other sorts; the pods are large and numerous, making it a very profitable sort to grow. Pt., **15c.** Qt., **30c.** Peck, **$1.75.** Bushel, **$6.50.**

EXTRA LARGE LIMA.—This is a splendid sort, and takes a leading place with growers, because of its many excellent qualities. As a shell Bean, surpasses all in quality, and is the favorite with most people. The Beans are very large and tender and of delicious flavor. Pt., **15c.** Qt., **30c.** Peck, **$1.75.** Bushel, **$6.50.**

DREER'S IMPROVED, OR CHALLENGE POLE LIMA.—This popular Bean is considered by many growers superior to all others in quality and productiveness. When green it is as large as the large Lima, thicker, sweeter and more tender and nutritious, remaining green in the pod for a long time after maturing. Pt., **15c.** Qt., **30c.** Peck, **$1.75.** Bushel, **$6.50.**

KING OF THE GARDEN LIMA.—This Bean has met with enormous sales the past few seasons. They are vigorous growers, setting their Beans early at bottom of pole, producing continuously to the end of the season. They are more prolific than the ordinary Lima, bearing pods 5 to 7 inches long in clusters of 4 and 5, with 5 to 6 Beans in a pod. Pt., **15c.** Qt., **30c.** Peck, **$1.75.** Bushel, **$6.50.**

LARGE WHITE LIMA.—One of the best of the pole Beans, either green or dry. Pt., **15c.** Qt., **25c.** Peck, **$1.65.** Bushel, **$6.00.**

POLE BEANS.

SET THE POLES 3 or 4 feet apart and plant 6 to 8 Beans, with the eyes downward, around each pole, thinning to 4 healthy plants when they are up. They require the same soil and treatment as the Dwarf varieties, with the exception that they crave stronger soil and do best in a sheltered location.

MARYLAND WHITE.—This new White Pole Bean is destined to take its place as one of the best Beans ever grown for general purposes. Its thick, meaty, green pods are very tender, rich in flavor, and produced in great abundance. It is equally valuable as a snap or shell Bean. It has been grown in Maryland to a very limited extent for a few years, and those who have grown it once want it again. Pt., **15c.** Qt., **30c.** Peck, **$2.00.** Bushel, **$7.00.**

LAZY WIFE.—Large, pale green pods, very thick-meated, stringless, rich, tender and buttery; ripens early; clings well to the pole; enormously productive; splendid either as a snap or shell Bean; retains its exquisite flavor until nearly ripe. Pt., **15c.** Qt., **30c.** Peck, **$1.75.** Bushel, **$6.50.**

KENTUCKY WONDER.—A very prolific sort, bearing its pods in large clusters; pods green, often reaching 9 or 10 inches in length, nearly round when young, and very crisp. Pt., **15c.** Qt., **30c.** Peck, **$1.85.** Bushel, **$7.00.**

SPECKLED HORTICULTURAL, OR WREN'S EGG.—An old favorite for both snap-shorts and dry Beans. Pt., **15c.** Qt., **25c.** Peck, **$1.65.** Bushel, **$6.00.**

WHITE CHERRY.—Great favorite; used with or without pods. Pt., **15c.** Qt., **30c.** Peck, **$1.75.** Bushel, **$6.50.**

CREASE-BACK, OR FAT HORSE.—A well-known and highly esteemed Southern variety. Very productive; forms very full, round pods; very fleshy; entirely stringless and distinctly creased along its back; hence its name. This variety is especially valuable for its extreme earliness and its habit of perfecting all of its pods at the same time. Pt., **15c.** Qt., **30c.** Peck, **$1.75.** Bushel, **$6.00.**

SOUTHERN PROLIFIC.—A splendid, vigorous and productive variety. Pods in clusters, succulent and delicious; matures quite early and continues bearing until frost. Pt., **15c.** Qt., **20c.** Peck, **$1.50.** Bushel, **$5.50.**

SPECKLED CUT-SHORT, OR CORN-HILL.—An old variety, very popular for planting among Corn, and will give a good crop, without the use of poles; vines medium, with dark-colored, smooth leaves; pods short, cylindrical and tender. Pt., **15c.** Qt., **25c.** Pk., **$1.50.** Bus., **$5.50.**

DUTCH CASE KNIFE.—Vines moderately vigorous, climbing well, but not twining so tightly as some, and so may be used for a corn-hill Bean. Leaves large, crumpled; blossoms white; pods very long, flat, irregular, green, but becoming cream white; Beans broad, kidney-shaped, flat, clear white, and of excellent quality, green or dry. Pt., **15c.** Qt., **30c.** Pk., **$1.75.** Bus., **$6.**

When Beans are to be sent by mail, add for postage 8c. per pint, 15c. per quart.

BEETS.

One ounce of Seed will sow one hundred feet of drill.

SELECT a deep, rich, sandy loam, and manure with well decomposed compost or a good chemical fertilizer. Sow in drills, 14 to 16 inches apart, and cover 1 inch deep. When the young plants appear, thin to 4 or 5 inches apart. For early use, sow as soon as the ground can be worked in the spring; for autumn use, about the middle of May, and for winter use, during June or July, according to the variety—the long varieties requiring more time to mature than the round, early kinds.

G. & T. Co.'s Early Blood Turnip Beets

THIS is our **Special Stock** of Early Blood Turnip Beet, which we have been growing for a number of years, and which the market gardeners of Baltimore and other places prefer. It is of dark red color, handsome shape and early. **Pkt., 5c. Oz., 10c. 1-4 lb., 15c. Lb., 40c.**

SWISS CHARD.—Oz., 10c. Lb., 40c.

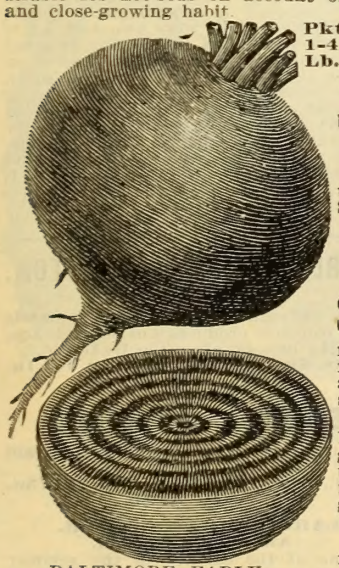
BASSANO, OR EXTRA EARLY TURNIP.—Flesh white and rose; very sweet and tender. **Pkt., 5c. Oz., 10c. 1-4 lb., 15c. Lb., 40c.**

EXTRA EARLY EGYPTIAN.—This is a flat Beet, very early and deep red color. Owing to the small top, it can be planted very close. **Pkt., 5c. Oz., 10c. 1-4 lb., 15c. Lb., 40c.**

LARGE LONG BLOOD.—A large and desirable late variety of deep red color. **Pkt., 5c. Oz., 10c. 1-4 lb., 15c. Lb., 40c.**

BALTIMORE EARLY MARKET.

Its qualities are extra early, dark red color, fineness of shape and small top. One of the most attractive varieties grown, and is specially desirable for hot-beds on account of its small top and close-growing habit. **Pkt., 5c. Oz., 10c. 1-4 lb., 15c. Lb., 40c.**



BALTIMORE EARLY.

DETROIT DARK RED TURNIP BEET.

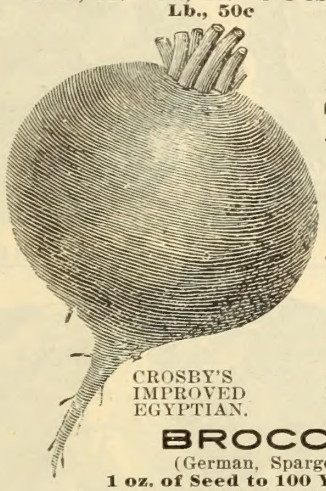
THIS is one of the finest formed and handsomest colored Beets on the market. It is unsurpassed in the uniformity and beauty of the crop. It is exceedingly early and produces more marketable specimens on the same acreage than any other variety. **Pkt., 5c. Oz., 10c. 1-4 lb., 15c. Lb., 40c.**

EDMOND'S RED TURNIP.

The most uniform of all Turnip Beets. It is of handsome round shape, good marketable size, and deep blood color. It has a small top, and may be planted close. **Pkt., 5c. Oz., 10c. 1-4 lb., 15c. Lb., 40c.**

CROSBY'S IMPROVED EGYPTIAN BEET.

A very superior strain of the well-known Egyptian, carefully selected, deep blood color, quick, rapid growth. The shape is very desirable, as shown in the accompanying photograph, being not quite so flat as the ordinary Egyptian, nor so round as the Eclipse. It may be sown outside as late as July. **Pkt., 5c. Oz., 10. 1-4 lb., 20c. Lb., 50c**



CROSBY'S IMPROVED EGYPTIAN.

ECLIPSE BEET.

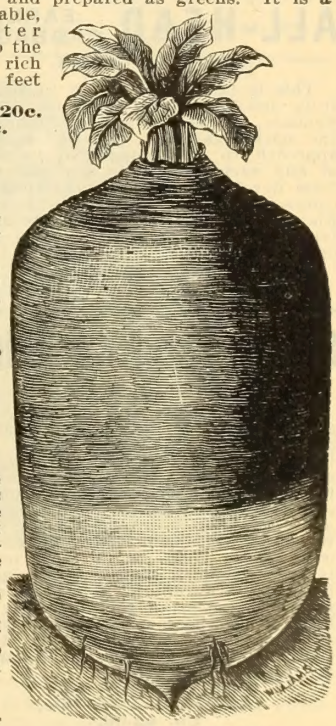
This extra early Beet is remarkable for its fine quality and rapid growth; is of deep red color and handsome shape. As an early market sort it is unrivaled. It is, to a large extent, superseding the Egyptian, being earlier in development, more attractive in appearance, and of superior quality for the table. **Pkts., 5c. and 10c. 1-4 lb., 15c. Lb., 40c.**

BRUSSELS SPROUTS.

(German, Gruener Kopfkohl).

1 Oz. of Seed to 100 Yards of Row.

A CLASS of plants allied to the Cabbage family, producing a great number of small heads for sprouts on the main stem of the plant, which are used and prepared as greens. It is a delicious vegetable, especially after being exposed to the frost. Plant in rich soil, in hills 2 feet apart each way. **Pkt.,10c. Oz.,20c. 1-4 lb., 60c.**



GOLDEN TANKARD MANGOLD.

BROCCOLI.

(German, Spargel Kohl).

1 oz. of Seed to 100 Yards of Row.

The Broccoli are closely allied to the Cauliflower family. They require similar cultivation and treatment to Cauliflower.

EARLY PURPLE CAPE.—Large, compact. **Pkt., 10c. Oz., 40c.**

LARGE EARLY WHITE.—Head white, like Cauliflower; the best. **Pkt., 10c. Oz., 40c.**

BORECOLE.

This if often called Broccoli by market gardeners, but belongs to the Kale family. Very spreading in habit, and beautifully curled. Seed very scarce. **Pkts., 5c. and 10c. Oz., 15c. 1-4 lb., 35c. Lb., $1.00.**

BEETS FOR STOCK.

SOW 4 POUNDS TO THE ACRE.

STOCK BEETS grow larger than other Beets, and hence require more room. They should be sown from April to June, in drills 2½ feet apart, and the plants thinned to 12 to 15 inches in the row. The attention of farmers to the growing of Beets for stock feeding has rapidly increased, but it should be grown more generally and will show the results in the health and condition of the stock. It supplies good, rich food for cattle during the winter.

CHAMPION YELLOW INTERMEDIATE, OR GATE-POST MANGOLD.—One of the very finest Mangolds ever introduced, giving unbounded satisfaction wherever grown. The crop is very uniform and the roots heavy, handsome and clean, with single tap root. In flavor they are wonderfully rich and nutritious. With good cultivation will crop at the rate of 200 bushels per acre. **1-4 lb., 10c. Lb., 25c. 4 lbs., $1.00.**

WHITE SUGAR BEET.—A large-growing sort, and used for feeding stock. **1-4 lb., 10c. Lb., 30c. 4 lbs., $1.00.**

GOLDEN TANKARD MANGOLD.—The best type of Mangold—small top, smooth, rich skin, broad shoulders, very solid-fleshed, golden-stemmed, heavy producer. It has already taken the lead of other varieties in England, and is relished by milch cows and sheep. **1-4 lb., 10c. Lb., 25c. 4 lbs., $1.00.**

LONG RED MANGOLD WURZEL.—The well-known, large, long variety; grows well out of ground. Color light red. Very productive. **1-4 lb., 10c. Lb., 30c. 4 lbs., $1.00.**

CABBAGE.

Early Cabbages.

CABBAGE will thrive on any good corn land, though the stronger the soil the better they will develop. New land is preferable. Plow deep and manure very liberally, as cabbage is a strong feeder and will repay you for the care bestowed upon it. The early sorts bear planting from eighteen inches to two feet apart in the rows, with the rows from two to two and a half feet apart. The larger varieties to be from two to four feet apart in the rows, with the rows from two and a half to four feet apart, the distance varying with the size. It does not pay to buy cheap cabbage seed. Ours are American grown, and from the best stock in the country. For early use, sow in a hot-bed in February or March, and transplant to a cold-frame as soon as large enough. In April the plants may be set out in the rows. For late crop, sow in nursery bed in May or June, and transplant as soon as the plants are five or six inches high. The ground should be thoroughly cultivated every week until the plants meet in the rows.

GERMAN, KOPFKOHL.

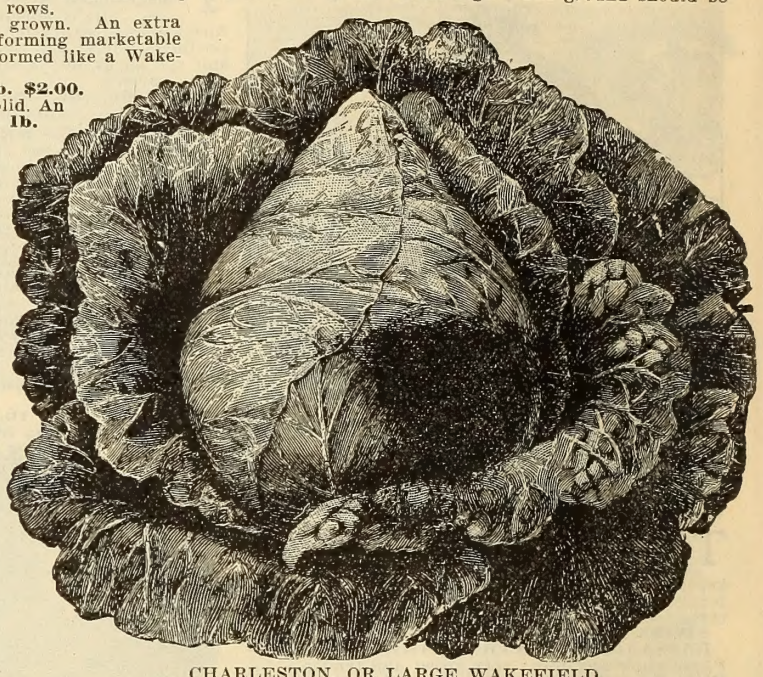
One Ounce of Seed to 100 yards of row.

KING OF EARLIES.—Our own introduction. American grown. An extra early variety, fully a week ahead of all other varieties in forming marketable heads; the heads are tall and slim and of rather small size, formed like a Wakefield. Habit, vigorous; short stem and proof against sun.

Pkts. 5c. and 10c. Oz. 20c. 1-4 lb. 60c. Lb. $2.00.

EARLY WINNINGSTADT.—Head large, cone-shaped and solid. An old and popular sort. **Pkts. 5c. and 10c. Oz. 15c. 1-4 lb. 35c. Lb., $1.25.**

ALL HEAD.



CHARLESTON, OR LARGE WAKEFIELD.

ALL-HEAD EARLY CABBAGE.

American Grown.

This is the largest of all Cabbages, fully one-third larger than the Early Summer, therefore more profitable to the market gardener. It is the nearest approach to a thoroughbred Cabbage of any variety, both in size and uniform development. As the All-Head comes in quicker than any of the other Flat Cabbages, it is consequently more tender. It is also valuable for a late or winter cabbage.

Pts., 5c. and 10c. Oz., 20c. 1-4 lb., 60c. Lb. $2.00.

Select Early Jersey Wakefield

American Grown.

The very best early cabbage, and grown more extensively by market gardeners than any other variety. It is early, the heads are pyramidal in shape, very large and solid, and, having but few outside leaves, the plants can be set close together. We secured our seed from a grower of the best Wakefield cabbage in the country, and it is giving good results wherever it is used, so much so that our sales of this sort are rapidly increasing each year. The demand for this sort has brought on the market inferior stock at a low price, but when select stock, such as we offer, is used, it cannot fail to give satisfaction.

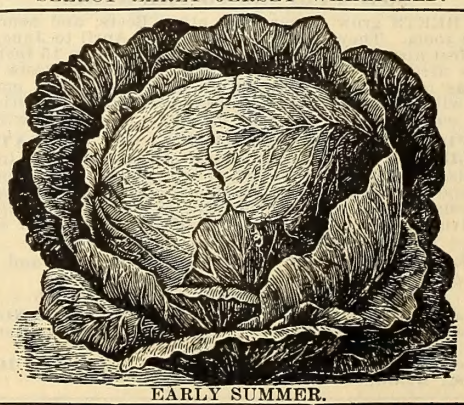
Pkts. 5c. and 10c. Oz. 20c. 1-4 lb. 60c. Lb. $2.00.

LARGE EARLY YORK, American Grown.

One of the earliest. Forms a medium size, pointed head.

Pkts. 5c. and 10c. Oz., 15c. 1-4 Lb., 35c. Lb., $1.25.

SELECT EARLY JERSEY WAKEFIELD.



EARLY SUMMER.

Charleston, or Large Wakefield

American Grown.

This is now a very popular market cabbage, fully meeting the demand for a cabbage having all the characteristics of the Jersey Wakefield, but larger. It is five to six days later than Early Jersey Wakefield. The heads are fully one-half larger, and quite solid. It is very compact in growth, and can be easily planted in rows two feet apart and twenty inches in rows. One great advantage is, it does not burst open when ripe, like many other early sorts, and consequently can be left standing on the ground a long while without injury, until a favorite opportunity for cutting. No market or private gardener desiring a cabbage of this kind should fail to plant this valuable sort.

Pkts. 5c. and 10c. Oz. 25c. 1-4 lb. 65c. Lb. $2.25.

EARLY DWARF FLAT DUTCH.

American Grown.

An old standard variety which stands the sun and produces fine large heads, coming in soon after the Wakefield.

Pkts. 5c. and 10c. Oz., 15c. 1-4 lb. 40c. Lb., $1.50.

EARLY SPRING.

An extra early round-headed cabbage of the early summer type.

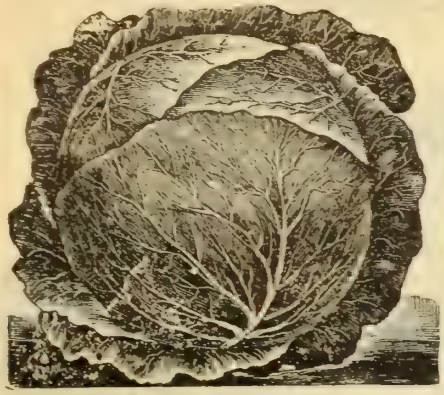
Pkt., 10c. Oz., 25c. 1-4 lb 75c. Lb., $2.50.

LARGE EARLY SUMMER. American Grown.

One of the earliest of the summer varieties. Heads large and flat; short stemmed, few outside leaves, uniform in character, and about ten days later than the Wakefield. It is very popular with the truckers.

Pkts., 5c. and 10c. Oz., 20c. 1-4 lb., 50c. Lb., $1.75.

CABBAGE—Continued.



New Early Cabbage.

NEW EARLY.—Am. grown. This is one of the finest large early cabbages grown. Forms solid, compact heads, and leaves grow close to the head, thus allowing many more cabbages to be grown on the acre than any other sort. One of its most striking features is its earliness. It heads so rapidly that the worms can't hurt it.

Pkts. 5c. and **10**c. Oz. **20**c. ¼ Lb. **60**c. Lb. **$2.00**.

LOUISVILLE DRUMHEAD.—Am. grown. This is the most popular intermediate or second early with market gardeners around Louisville and the Southwest. It comes off medium early, withstands heat to a remarkable extent, heads large, solid and uniform in size and color. We can recommend this sort very highly for the Southern and Middle States.

Pkt. **10**c. Oz. **20**c. ¼ Lb. **50**c. Lb. **$1.75**.

SUREHEAD.—Am. grown. This popular cabbage is rightfully named Surehead, as it never fails to make a fine, large, solid head, with few outer leaves. It is a strong, vigorous grower, and very uniform in size and color. Always brings the highest price in our markets.

Pkts. 5c. and **10**c. Oz. **20**c. ¼ Lb. **60**c. Lb. **$2.00**.

Succession Cabbage.

ALL SEASONS.—Am. grown. This forms a fine, large head, of superior quality, nearly as early as the Early Summer. Suitable for planting at any season.

Pkts. 5c. and **10**c. Oz. **20**c. ¼ Lb. **50**c. Lb. **$1.75**.

THE SUCCESSION CABBAGE.—Am. grown. Is one of the most valuable contributions to horticulture. It would be classed as a second early variety, coming in a few days later than Early Summer, but it is immeasurably superior to that variety; it is nearly double the size, and is absolutely true to its type under all conditions. In addition to this, it has no tendency whatever to run to seed. It is one of the finest sorts in existence to-day; whether for medium early, main crop or late use, it has no superior. It is so finely bred and so true to type that in a field of twenty acres every head appears alike. We can recommend it either for the market gardener, trucker or private planter, as it is a perfect Cabbage in every respect, not only being of the largest size, but of handsome color and of the finest quality. It is probably the safest variety for an amateur to plant, as it does well at all seasons, and one is almost sure of getting a crop, no matter when it is planted.

Pkts. 5c. and **10**c. Oz. **20**c. ¼ Lb. **60**c. Lb. **$2.00**.

DANISH BALL HEAD CABBAGE.

DANISH BALL HEAD.—This most excellent variety of Cabbage, coming from Denmark, has grown very rapidly into favor with both market and private gardeners. It is a large, round, solid heading, medium early variety; a very sure header, having few loose leaves, consequently can be planted very close together. Although a medium early, can also be grown for a fall and winter crop, being one of the best keepers. Very popular in the Philadelphia, New York and Boston markets.

Pkt. **10**c. Oz. **25**c. ¼ Lb. **65**c. Lb. **$2.25**.

FOTTLER'S EARLY DRUMHEAD
OR SHORT STEM
BRUNSWICK CABBAGE.

In its improved type, this is a very fine summer or early fall variety. The plants are of dwarf, compact growth, the solid, flat heads resting on the soil, while the few outer leaves grow closely about the heads. The foliage is a light bluish green in color. The heads are very flat, quite thick through, uniformly "hard and solid," and considerably earlier than the ordinary *Flat Dutch* strains. Good both for intermediate and winter use.

Pkts. 5c. and **10**c. Oz. **20**c. ¼ Lb. **50**c. Per Lb. **$1.75**.

Boss Flat Dutch—Late Cabbage.

Premium Large Flat Dutch—Late Cabbage.

LATE OR AUTUMN CABBAGE.

BOSS FLAT DUTCH CABBAGE.—Am. grown. In again calling the attention of market gardeners and truckers to this magnificent Cabbage, we would say that it has fully met the claims we made for it upon its introduction. When we ask our customers how they like it, their answer is "splendid" or "elegant," everything heads; "you can scarcely find any that don't head." The heads are large, hard, thick and flat, the leaves lapping across the center, making it the most desirable winter variety in cultivation. Try it and be convinced of its superior quality.

Pkts. 5c. and **10**c. Oz. **20**c. ¼ Lb. **50**c. Lb. **$1.75**.

PREMIUM LARGE LATE FLAT DUTCH CABBAGE.—Am. grown. Large and excellent for winter, very extensively grown. The head is broad, thick and flat, well covered in by leaves lapping across the center, outside leaves feathered to the base of the leaf stem.

Pkts. 5c. and **10**c. Oz. **15**c. ¼ Lb. **40**c. Lb. **$1.50**.

LATE CABBAGES—Continued.

LARGE LATE AMERICAN DRUMHEAD (American Grown).—One of the largest, most solid and best keeping late varieties. This variety seldom fails to head, and is of good quality.
Pkts., 5c. and 10c. Oz., 15c. 1-4 lb., 40c. Lb., $1.25.

WORLD-BEATER, or AUTUMN KING.—This is a very superior late cabbage. The large, broad heads are very thick through, slightly rounded at the top, fine grained and tender, has a short stalk, green color, and one of the best keepers we know, and is a rapid grower.
Pkts., 5c. and 10c. Oz., 20c. 1-4 lb., 50c. Lb., $1.50.

RED DUTCH.—The head is large, round, solid and a deep red color, the best of the red cabbages.
Pkts., 5c. and 10c. Oz., 20c. 1-4 lb., 50c. Lb., $1.65.

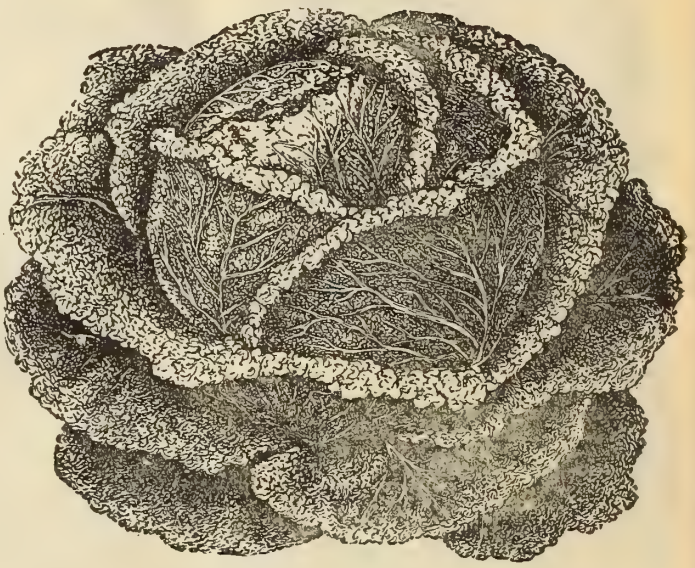
Perfection Drumhead Savoy.

American Grown.

This is without any exception the finest stock of Savoy cabbage to be found anywhere. The heads are large and solid, the leaves beautifully curled, and in tenderness and flavor it is almost equal to cauliflower, while its keeping quality is first-class. To say that our market gardeners are pleased with it, is putting it mild; they are enthusiastic over it, as they find it so much superior to the old-time Savoy. It is specially adapted to private use, as when grown in the fall and allowed to be touched by frost, it is one of the most delicious of all vegetables.
Pkts., 5c. and 10c. Oz., 15c., 1-4 lb., 40c. Lb., $1.50.

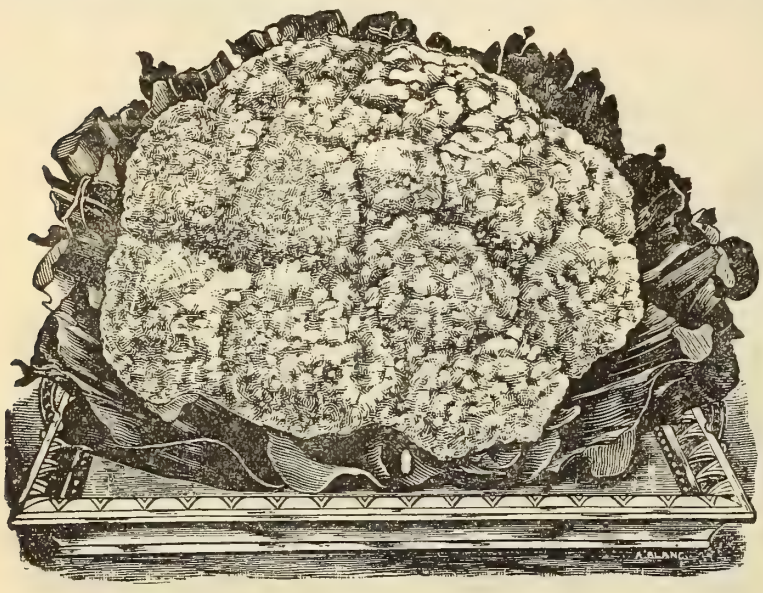
Georgia Collards.

—Called the Cabbage Collard on account of its close bunching growth. The plant produces centre leaves generally perfectly white, though sometimes dashed with pink. It is a very delicate vegetable and of the first quality.
Packets, 10c. 1-4 lb., 20c. Lb., 60c.



DRUMHEAD SAVOY.

G. & T. Co.'s Snowball Cauliflower



One Ounce of Seed will produce 2,000 Plants.

MANY amateurs make the mistake of sowing the seed too early for late crop. It should not be sown before May, as when sown earlier they begin to head before the hot weather is over, and are a failure. Cauliflower can only be grown on rich, well-tilled and well-watered soil. The most delicious of all the cabbage family, and requiring the same culture and treatment, but being more delicate. The good culture and richness of the soil recommended for cabbage is absolutely necessary for the cauliflower. For early crop, sow in hot-bed or cold-frame in February or March. For late crop sow and treat like late cabbage.

Our Gilt Edge Snowball Cauliflower.

—Is without exception one of the finest sorts now in cultivation. It is very early. Nearly every plant will, under proper cultivation, form a perfect snow white head, and its close growing, compact habit enables the grower to plant one-third more on the same space of ground than other varieties. In fact, it is, and deserves to be, the standard with the market gardener and amateur.
Pkts., 25c. and 50c. 1-4 oz., 75c. Oz., $2.00.

SELECT EARLY DWARF ERFURT.—Long the standard of highest excellence, and still holding its own with a great many people.
Pkts., 25c. and 50c. 1-4 oz., 50c. Oz., $1.75.

EARLY PARIS.—An excellent sort for early or late use. **Pkt., 10c. Oz., 50c.**

CORN SALAD.

Three ounces of seed to 100 feet of row.

A favorite salad plant, and very hardy. Sow in August or September, and protect with leaves during the winter; it can be gathered in the spring very early. Sown in April, it is soon ready for use. The leaves are sometimes boiled and served as spinach.
Pkt., 5c. 1-4 lb., 15c. Lb., 40c.

CRESS, OR PEPPER GRASS

Used as a small salad. Sow very thickly in shallow drills, on a smooth surface, at short intervals throughout the season.

CURLED.—Pkt., 5c. Oz., 10c. 1-4 lb., 20c. Lb., 50c.

WATER CRESS.—Water Cress may be grown along the margin of running streams, ditches or ponds, and has a ready sale in the hotels and markets.
Pkt., 10c. Oz., 30c. 1-4 lb., $1.00. Lb., $3.25

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE.

GRIFFITH & TURNER CO

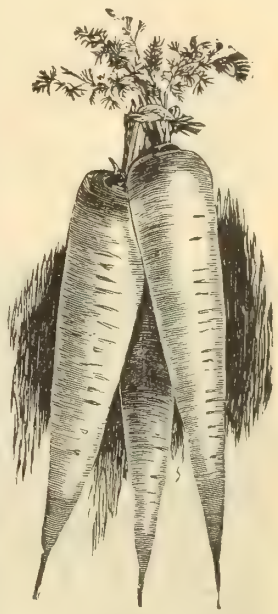
G. & T. CO.'S CARROTS.

1 OZ. OF SEED TO 100 FEET OF ROW.

CARROTS thrive best in rather a light, rich loam. The ground should be well manured with fine-well-rotted or composted manure, and be thoroughly worked quite deep. Sow from middle of April to middle of May, in rows 14 inches apart, and thin the plants to 3 or 6 inches in the row. For late crops sow in June or July. An important point is to tread the rows firmly after sowing. For field culture, Carrots should be sown in drills 3 to 3½ feet apart, so as to cultivate with horse.

Improved Long Orange.

Deep orange color, long, smooth, fine for either garden or field culture. All who have cattle should raise a surplus of this Carrot for feeding milch cows during winter. It increases the flow of milk and imparts to the butter a delicious flavor and a rich golden color. **Pkt., 5c. Oz., 10c. 1-4 lb., 25c. Lb., 85c.**



IMPROVED LONG ORANGE.

Danvers.—A decided acquisition of the half-long type, broad-shouldered, cylindrical, admirable in color, fixed in habit, a wonderful producer. It is a first-class Carrot for all soils.
Pkt., 5c. Oz., 10c. 1-4 lb., 25c. Lb., 85c.

DANVERS.

GUERANDE, OR OX HEART.

A new French variety, intermediate in length, of fine quality; excellent table sort. The shape is nearly oval, and the color and quality all that can be desired. No market gardener should be without it.

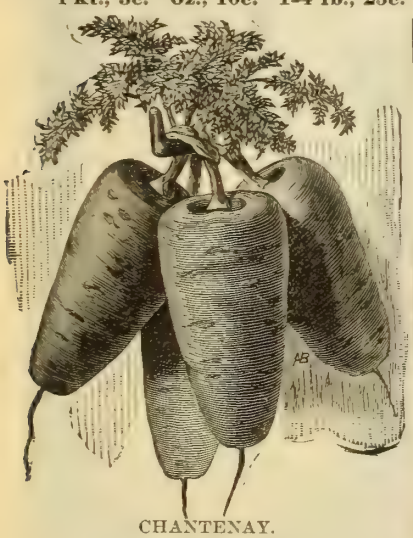
Pkts., 5c. and 10c.
1-4 lb., 25c
Lb., 85c.

GUERANDE, OR OX HEART.

EARLY SCARLET HORN.—Blunt-rooted, early, good. Favorite sort for early crop.
Pkt., 5c. Oz., 10c. 1-4 lb., 25c. Lb., 85c.

CHANTENAY.

Very productive; has an extra large shoulder, is easily dug, and is in every way desirable. It is very smooth, fine in texture, and of a beautiful, rich orange color. Well worthy of a thorough trial.
Pkt., 5c. Oz., 10c. 1-4 lb., 25c. Lb., 85c.



CHANTENAY.

WHITE SOLID.

A large standard sort. One of the best of the large growing sorts.
Pkts., 5c. and 10c. Oz., 15c.
1-4 lb., 40c. Lb., $1.50.

NEW ROSE.

In England the Pink or Red Celeries are much more largely used than the white varieties, and we wonder they are not more grown in this country. They possess many advantages over the white, being hardier, more solid and better keepers. **Pkt., 10c. Oz., 15c.**
1-4 lb., 50c. Lb., $1.50.

CELERY SEED FOR FLAVORING.

This seed is used for flavoring pickles, soups, etc.
Pkt., 5c. 1-4 lb., 10c.
1-2 lb., 15c. Lb., 25c.

CELERY. German Celerie.

1 OZ. WILL PRODUCE 2,000 PLANTS.

PARIS GOLDEN CELERY.
(French Stock).

THIS cannot be too highly recommended, as after being thoroughly tested it has fulfilled all that has been claimed for it. It is decidedly the very best and most profitable Celery in cultivation; it is very early and entirely self-blanching. The beautiful appearance of the plant, its close habit, compact growth, straight, vigorous stalks, solid, crisp, brittle ribs, fine quality and delicious flavor commend it to all lovers of Celery. No variety can surpass, if, indeed, equal the Paris Golden Self-Blanching in its striking appearance and delicious flavor. Our stock of this variety has been giving the market gardeners the very best results for several years.
Pkts., 5c. and 10c. Oz., 40c.
1-4 lb., $1.25. Lb., $4.00.

GOLDEN SELF-BLANCHING CELERY.
(American Stock).

This is a selection from the French stock grown here, and is a favorite sort with market gardeners, being very largely used.
Pkts., 5c. and 10c. Oz., 30c.
1-4 lb., 90c. Lb., $3.00.

ROSE-RIBBED PARIS SELF-BLANCHING.

This is a sport of the Golden Self-Blanching, identical in habit, growth, early maturity, and as easily blanched. The stalks, however, are naturally quite heavily tinted with red, so that when blanched they show a distinct pink line in the ribs, contrasting finely with the rich golden yellow.
Pkt., 10c. Oz., 30c. 1-4 lb., 85c.
Lb. $3.00.

IMPROVED BOSTON MARKET.

This is a decided improvement on the old Boston Market, being earlier, larger in size, and of more vigorous growth.
Pkts., 5c. and 10c. Oz., 15c.
1-4 Lb., 40c. Lb., $1.50.

PARIS GOLDEN CELERY.

CELERY.

CONTINUED.

German, **Celerie.**

1 Oz. Will Produce 2000 Plants.

PLANT SEED in hot-bed or very early in open ground. Transplant 4 inches apart when 3 inches high, in rich soil, finely pulverized; water and protect until well rooted. In June or July transplant into rows 3 to 4 feet apart, either on surface or well-manured trenches a foot in depth, half filled with well-rotted manure. Set the plants from 6 to 8 inches apart. To blanch, draw earth around the plants from time to time, taking care not to cover the top of the centre shoots.

WINTER QUEEN CELERY.

It is, without doubt, the most valuable variety of Celery for winter and spring use ever introduced. It is also much stouter, thicker and heavier, with double the amount of heart of any known Celery. The plant is beautiful in appearance, of close habit and compact growth, and blanches to a beautiful cream white. Ribs perfectly solid, crisp and of delicious nutty flavor.

Pkt., 10c. Oz., 15c. 1/4 Lb., 50c. Lb., $1.50.

PINK PLUME.

This is identical with the White Plume, but with the added merit of the stalks being exquisitely suffused with pink, and possessing the crispness, rich, nutty flavor and long-keeping qualities for which red Celeries are noted.

Pkt., 10c.
Oz., 20c.
1/4 Lb., 50c.

PERLE LE GRAND.

The new Perle le Grand has a beautiful, full golden heart, and rich, nutty flavor. On the market stall it is extremely showy and salable, a single plant making a good-sized bunch and surpassing all other sorts in weight. It is not only a good early Celery, being among the first fit to use, but as a winter keeper, remaining, when properly trenched, in perfect condition away into the spring.

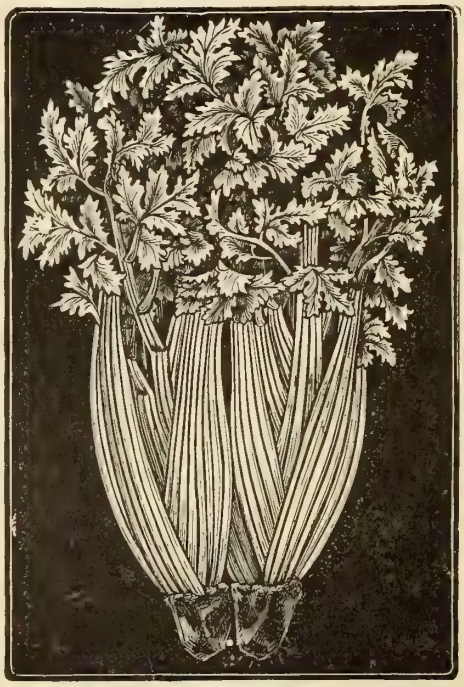
Pkt., 10c. Oz., 20c. 1/4 Lb., 50c. Lb., $1.50.

GOLDEN HEART, OR GOLDEN DWARF CELERY.

THIS old standard variety still holds a high place in the estimation of market gardeners, and is largely used, always giving satisfaction. A showy sort, solid, of fine flavor and a good keeper.

Pkts., 5c. and 10c.

Oz., 15c. 1/4 Lb., 40c. Lb., $1.25.



WHITE PLUME.

AN EARLY, handsome, self-bleaching variety, growing in popularity every year. Like the Golden Self-Blanching, it requires very little earthing up to blanch it, and as a Celery for fall and early winter use it is unsurpassed.

Pkts., 5c. and 10c.

Oz., 20c. 1/4 Lb., 60c. Lb., $2.00.

CELERIAC,

OR TURNIP ROOTED CELERY.

NEW APPLE SHAPE.

Small foliage, large, round, and smooth.

Pkts., 5c. and 10c.

Oz., 15c.

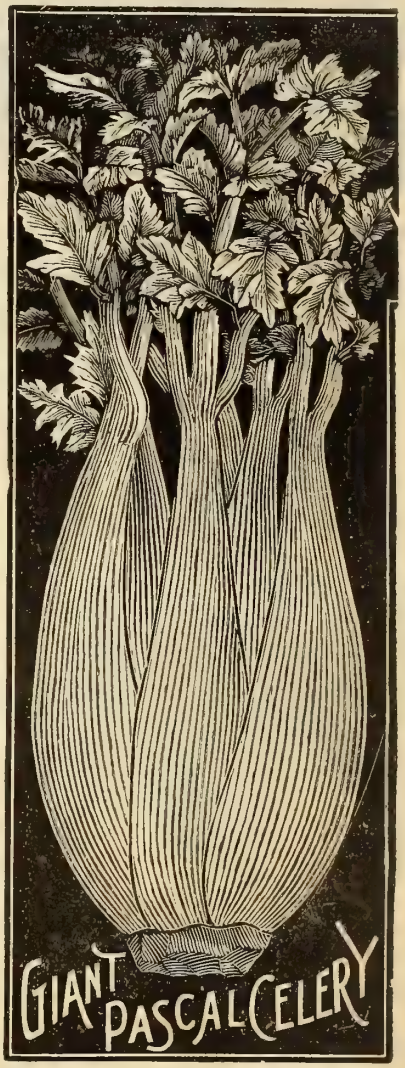
1/4 Lb., 40c.

Lb., $1.25.

LARGE SMOOTH PRAGUE

LARGE SMOOTH PRAGUE.

The largest, smoothest and best of the Celeriacs. **Pkts., 5c. and 10c. Oz., 20c. 1/4 Lb., 50c. Lb., $1.50.**



A SELECTION from the well-known Self-Blanching Celery. It partakes of the best qualities of that variety, is somewhat larger, and an excellent keeper. It is of fine, nutty flavor, being entirely free from any bitter taste. It grows about 2 feet high. The stalks are very broad, thick and crisp; the width and thickness of these are distinctive features of this variety.

Pkts., 5c. and 10c.

Oz., 15c. 1/4 Lb., 40c. Lb., $1.25.

GRIFFITH & TURNER CO.

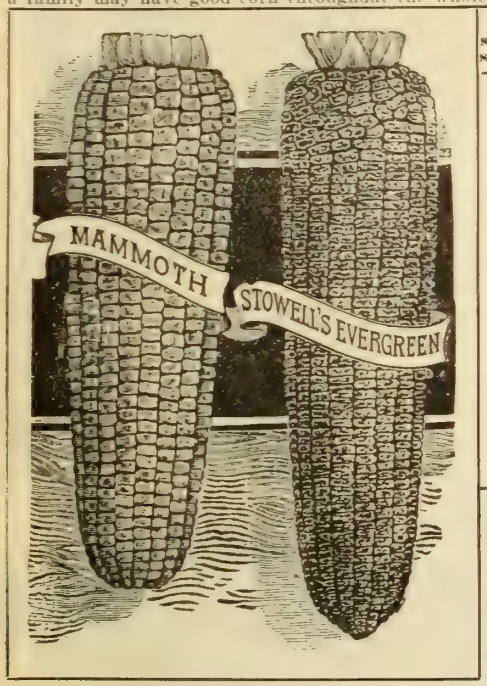
CAUTION. Sweet Corn in bulk, even after being thoroughly cured, will often gather moisture and spoil, particularly if it has been exposed to a low temperature. To prevent this it should be taken out of the bag as soon as received and spread in a dry place.

SWEET OR SUGAR CORN

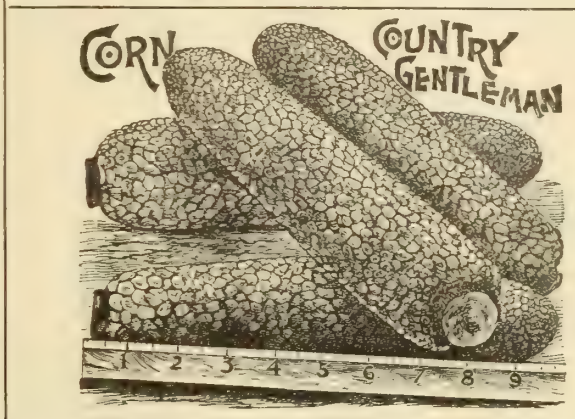
FOR TABLE USE. **GERMAN, WELSCHKORN.**

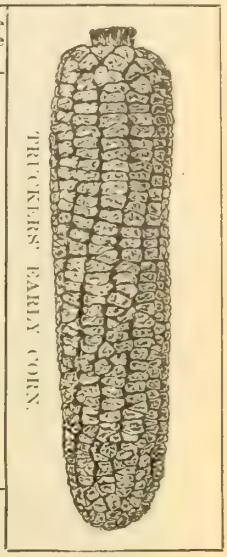
WHEN CORN IS WANTED BY MAIL, ADD 8 CENTS PER PINT TO PAY POSTAGE.

CULTURE.—Sugar Corn may be planted in rows 3 to 4 feet apart, and the seeds placed about 8 inches apart in the rows, or planted in hills 3 to 4 feet apart each way, according to variety grown or richness of soil. Do not let more than three plants remain in each hill. It can be planted in this vicinity from first of May to last of July for succession of crop. By planting every two weeks a family may have good corn throughout the whole season.



Owing to the great failure of crops generally in the seed-growing sections, all vegetable seed prices are subject to change without notice.





FIRST EARLY VARIETIES

EXTRA EARLY BALTIMORE. The hardiest and earliest variety for table use; it can be planted earlier than any other, but is not a Sweet Corn; white indented grains and short ears. **Ear, 5c. Doz., 40c. Qt., 20c. Peck, 85c. Bus., $2.75.**

G. & T. CO.'S NEW 60-DAY CORN.—The largest extra early Corn grown. As early as Extra Early Adams, but grows larger ears. **Qt., 20c. Peck, 85c. Bus., $3.00.**

EXTRA EARLY ADAMS.—Ear, 5c. Doz., 40c. Qt., 20c. Peck, 75c. Bus. $2.50.

EARLY ADAMS.—A favorite in the South.
Ear, 5c. Doz., 40c. Qt., 20c. Peck, 75c. Bus. $2.50

EARLY BURLINGTON HYBRID.—We introduced this variety in this market five years ago, and our sales have grown each year. Not a true Sugar Corn, but a hybrid or mixture between the Sugar Corn and the Adams Early, being as early as Adams, with an ear about the size of Stowell's Evergreen, and more productive than either. The husk, blade and ear, when green, resemble the Sugar Corn. Those who have tried it want it again.
Doz., 35c. Qt., 20c. Peck, 65c. Bus., $2.00.

90-DAY CORN (Red Cob).—This is an elegant Corn for truckers and market gardeners, as it is a good seller as Green Corn, and if not used as Green Corn makes a good variety for feeding purposes. It may be planted for early crop and at intervals until the middle of July. Many truckers use it for their late planting, as it producers a very sure crop.
Qt., 15c. Peck, 50c. Bus., $1.50.

MEDIUM EARLY VARIETIES. SWEET OR SUGAR.

FIRST OF ALL.—A selection from the Cory, the ears about the same size as Cory, lighter in color and earlier.
Qt., 20c. Peck, 90c. Bus., $3.00.

WHITE CORY.—An early variety, with good-sized ears and large kernels.
Qt., 20c. Peck, $1.00. Bus., $3.75.

STABLER'S EARLY.—Of larger size than usual for the early kinds. It is remarkable for the fine flavor and sweetness, and is a desirable gardeners' and canning variety.
Pt., 15c. Qt., 20c. Peck, $1.00. Bus., $3.75.

CROSBY'S EXTRA EARLY.—An early market variety, very productive; ears rather short and rich, sugary flavor.
Qt., 20c. Peck, $1.00. Bus., $3.75.

EARLY MINNESOTA SUGAR.—One of the first early among Sugar Corn.
Qt., 20c. Peck, $1.00. Bus., $3.75.

BLACK MEXICAN SUGAR.—The Black Corn is especially rich in sugary qualities.
Qt., 20c. Peck, $1.15. Bus., $4.00.

MAIN CROP VARIETIES.

IMPROVED NE PLUS ULTRA.—Early, good-sized ears and deep grain. Very productive, some stalks yielding 4 ears and an average crop running as high as 3 ears to the stalk.
Qt., 20c. Peck, $1.00. Bus., $3.75.

COUNTRY GENTLEMAN CORN.—This is the sweetest and most deliciously flavored of all Sugar Corn. It is the finest variety for the table, and will delight the most fastidious epicure. It produces 3 to 4 ears to the stalk, and retains its greenness longer than other sorts.
Qt., 20c. Peck, $1.00. Bus., $3.75.

TRUCKERS' EARLY SUGAR CORN.—This is the most desirable variety of Sugar Corn for truckers and gardeners to plant early. As its many excellent qualities are becoming generally known, it has come to be one of the standard sorts. It is 10 days earlier than Evergreen, very productive, growing 2 to 4 ears to the stalk. The ears set low, are large and well filled, the grain long and narrow, similar to Evergreen, but smaller. It is one of the most productive varieties in cultivation.
Pt., 10c. Qt., 20c. Peck, $1.25 Bus., $4.00.

STOWELL'S EVERGREEN.—So well known that it scarcely needs description. Excellent; keeps green till cold weather; ears large. One of the best.
Ear, 5c. Doz., 50c. Qt., 20c. Peck, $1.25. Bus., $4.00.

EARLY MAMMOTH.—A splendid market sort, producing large, handsome ears, grain large, white and sweet. Fills out well at the end.
Ear, 5c. Doz., 50c. Qt., 20c. Peck, $1.00. Bus., $3.75.

HICKOX.—A very handsome and excellent variety of Sugar Corn; large, white grain and sweet.
Ear, 5c. Doz., 50c. Qt., 20c. Peck, $1.00. Bus., $3.75.

LATE MAMMOTH.—The largest variety grown; very fine for market purposes.
Ear, 5c. Doz., 50c. Qt., 20c. Peck, $1.25. Bus., $4.00.

EGYPTIAN, OR WASHINGTON MARKET.—A large variety, somewhat resembling the Evergreen; flavor peculiarly rich and sweet, and of superior quality; fine for market.
Ear, 5c. Doz., 50c. Qt., 20c. Peck, $1.25. Bus., $4.00.

ZIGZAG EVERGREEN.—This is one of the sweetest and best late Sweet Corn, not even excepting the celebrated Country Gentleman and Shoe Peg. The ears resemble Stowell's Evergreen in size and shape, except that the kernels are placed irregularly or zigzag upon the cob, which is always an indication of great sweetness in any variety of Sugar Corn.
Pt., 10c. Qt., 20c. Peck, $1.00. Bus., $3.75.

KENDALL'S EARLY GIANT.—The largest early Sweet Corn known, and is very productive.
Pt., 10c. Qt., 20c. Peck, $1.00. Bus., $3.75.

SUGAR CORN.—For fodder. **Write for Prices.**

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE.

1 Oz. will plant 50 hills; 2 Lbs. will plant an acre.

CUCUMBER.

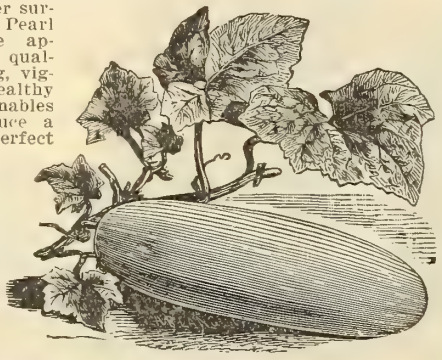
German, Gurke.

CULTURE.

FOR very early Cucumbers sow the first of April in a hot-bed, upon pieces of sod (grass side down), so that they can be readily transplanted to the open ground, in rich soil when danger of frost is over, or protect by hand-glasses. The vines require a warm location for early Cucumbers. Plant after the ground has become warm, in hills 4 feet apart for the smaller varieties, and 5 feet for the larger sorts. For pickling, sow from middle of June to last of July. Manure with ashes, fertilizer or some well-rotted compost, working the manure just under the surface. Sprinkle the vines with slug-shot, plaster of air-slacked lime, to protect from bugs. The Cucumbers should be gathered when large enough for use, whether required or not; if left to ripen, it destroys their productiveness.

WHITE WONDER CUCUMBER.

The White Wonder surpasses the White Pearl both in handsome appearance and fine quality, while its strong, vigorous, extremely healthy habit of growth enables the vines to produce a large crop of perfect fruit, even under adverse conditions. Its strong constitution is exceptional. The Cucumbers are thickly set throughout the length of the vine, and are remarkably uniform in color, shape and size.



Pkt., 10c.

IMPROVED LONG GREEN

Has long been a favorite with growers; dark green, firm and crisp. Superior for pickles and for market.

Pkt., 5c. Oz., 20c 1-4 lb., 50c. Lb., $1.65

LONG GREEN TURKEY.

A very showy and excellent sort.

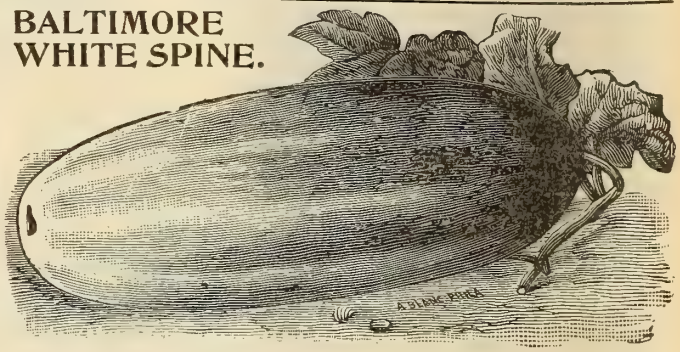
Pkt., 5c. Oz., 20c 1-4 lb., 50c. Lb., $1.75

EVER-BEARING CUCUMBERS.

This variety is unique, and will prove valuable both for the table and for pickling. Is of small size, very early, enormously productive, and extremely valuable as a green pickler. The peculiar merit of this new Cucumber is that the vines continue to flower and produce fruit until killed by frost, whether the ripe Cucumbers are picked off or not, in which respect it differs from all other sorts in cultivation.

Crop Failed.

BALTIMORE WHITE SPINE.



THIS is the best Cucumber for early planting, because it will retain its green color longer than any other sort. It is of good size and shape, and the popular variety with truckers around Baltimore and Norfolk, as well as the growers from Virginia to Florida.

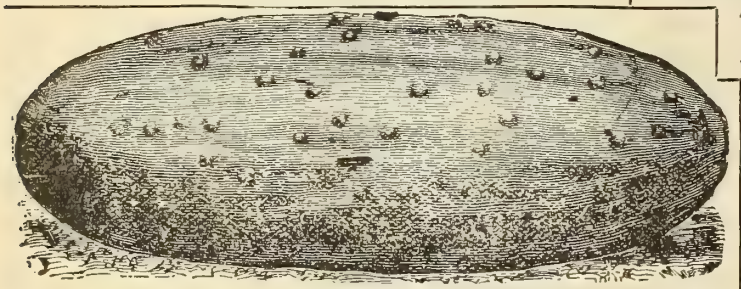
Pkt., 5c. Oz., 20c. 1-4 lb., 50c. Lb., $1.75.

ARLINGTON WHITE SPINE.—A favorite extra early variety, of desirable size, handsome shape, dark green color, holding its color longer than most others. Good shipper and sells well.

Pkt., 5c. Oz., 20c. 1-4 lb., 50c. Lb., $1.65.

EARLY GREEN PROLIFIC.—A very productive variety, having fruits of good length and handsome form. Desirable for producing pickles of medium size and of fine quality when sliced for the table.

Pkt., 5c. Oz., 20c. 1-4 lb., 50c. Lb., $1.75.



JERSEY PICKLE.

JERSEY PICKLING.

This is the most popular sort with the market gardeners around Baltimore and Philadelphia for pickling. Said to green better than any other variety.

Pkt., 5c. Oz., 20c. 1-4 lb., 50c. Lb., $1.50.

CHICAGO PICKLING.

Very Popular With Chicago Market Gardeners, and Extensively Grown in that Vicinity.

Fruit medium length, pointed at each end, with very large and prominent spines; color deep green.

Pkt., 5c. Oz., 20c. 1-4 lb., 45c. Lb., $1.40.

GHERKIN, OR BURR.

Used for pickles only.

Pkt., 5c. Oz., 20c. 1-4 lb., 50c. Lb., $1.50.

EXTRA EARLY WHITE SPINE.

A strain of White Spine which has been improved through careful selection, with a view to use for forcing in hot-houses and frames; also elegant for field culture. Our stock produces handsome, dark-colored fruits, which retain their color longer than other sorts.

Pkt., 5c. Oz., 20c. 1-4 lb., 50c. Lb., $1.50.

COOL AND CRISP.

This is the earliest and one of the most prolific pickling Cucumbers. The Cucumbers are straight, long, even and slim, and of a dark color; it is very tender and crisp.

Pkt., 5c. Oz., 20c. 1-4 lb., 50c. Lb., $1.65.

EARLY CLUSTER.

A short, prickly variety, bearing in clusters near the root. A great bearer. **Pkt., 5c. Oz., 20c. 1-4 lb., 50c. Lb., $1.50.**

JAPANESE CLIMBING CUCUMBER.

It bears abundantly throughout the season, while the climbing habit enables the hanging fruit to grow perfectly straight, from 12 to 16 inches in length; the Cucumbers are thick, tender, and of delicate flavor; flesh white, skin dark green, turning to brown and netted when ripe.

Pkt., 10c. Oz., 20c.

ENGLISH FORCING CUCUMBER.

Should be grown in hot-beds where the temperature does not fall below 65 degrees at night.

TELEGRAPH is the best. 25c. Packet.

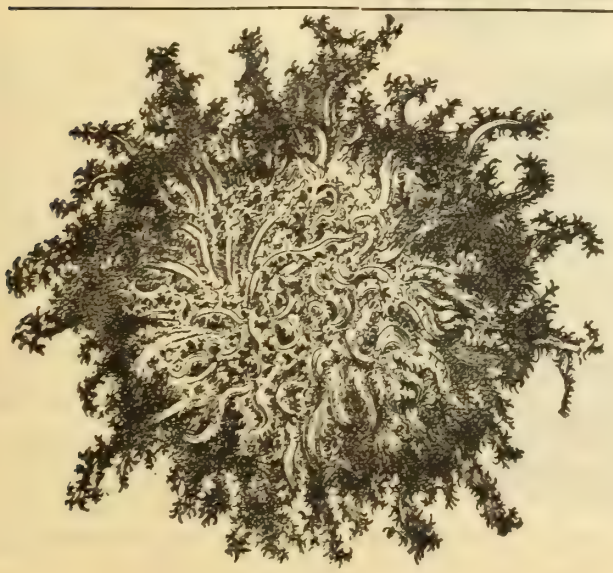
BALTIMORE EGG PLANT.

GERMAN, Eierpflanze.

CULTURE.—Sow the seed in hot-beds early in March. When three inches high, pot the young plants, using small pots, and plunge them in the same bed, so that the plants may become stocky. They can be planted out, from the pots, when the season becomes sufficiently warm, in May or June; or they can be transplanted into a second bed to make them strong, until the weather is warm enough to transplant, about three feet apart each way, in thoroughly worked and well enriched soil. Draw the earth up to the stems when about a foot high. Egg Plant Seed will not vegetate freely without a strong, uniform heat, and if the plants get the least chilled in the earlier stages of growth, they seldom recover. Therefore repeated sowings are sometimes necessary. Care should be observed in cutting the fruit, so as not to disturb the roots of the plants.

(One ounce will produce about one thousand plants.)

BALTIMORE EGG PLANT.—When once used, takes the lead.



THIS is decidedly the best and most profitable Egg Plant in cultivation. It is large, thornless, of beautiful shape and handsome purple color. We have never seen finer specimens of Egg Plant than those grown from our seed. When inspecting the field of Egg Plants growing for seed we were surprised at the regular size and uniform, handsome color of the fruit all over the field.

Pkt. 10c. Oz. 30c. 1/4 lb. 80c. Lb. $2.75.

Endive.

GERMAN, Endivien.

IS ONE OF THE BEST SALADS FOR FALL AND WINTER USE.

(One ounce of seed to one hundred and fifty feet of row.)

FOR early use, sow as soon as the ground can be worked in the spring, in drills fifteen inches apart, and thin plants to six or eight inches in the row. To blanch the leaves, gather them carefully together when perfectly dry, and tie with matting or soft fibrous material. Another method is to invert flower pots over the plant. The leaves are very highly esteemed for use as salads.

GREEN CURLED.—The best sort in use. Useful as a salad, and also used for garnishing. **Pkt. 5c. Oz. 15c. 1-4 lb. 40c. Lb. $1.25.**

TRUE TO NAME.

I bought seeds of you last year, and they proved true to name and of excellent vitality. Therefore, I place my order with you again this year.

O. E. WILDER, Ohio.

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE.

1 Oz. of Seed Will Sow a Drill of About 200 Feet.

KALE. German, Blaetter-Kohl.

THE KALES are more hardy than Cabbage, and make excellent greens for winter and spring use, and are improved by frost. For early spring use, sow broadcast in September, and protect during winter. It must also be sown in April or May for later use.

DWARF GREEN GERMAN KALE.—This variety sow in September broadcast, and gather in early spring like spinach. It may also be sown early in the spring for later use. **Pkt., 5c. 1/4 Lb., 15c. Lb., 35c.**

NORFOLK.

A variety used by the truckers of Norfolk for shipment North. Light green color and leaves much curled.

Packet . . . . 5c.
Ounce . . . . 10c.
1/4 Lb. . . . 25c.
Lb. . . . . 75c.

DWARF GREEN GERMAN KALE.

EXTRA CURLED NEW AMERICAN KALE.

This is an extra curled, long-standing variety of a beautiful green color; stands the winter well, and will stand longer in the spring before going to seed than any other variety. **Pkt., 5c. 1/4 Lb., 15c. Lb., 50c.**

KOHLRABI.

1 OZ. OF SEED TO 100 YARDS OF ROW.

WHITE VIENNA.

BULB LIGHT GREEN.
FLESH WHITE.
VERY RAPID IN GROWTH.
EARLY MATURITY.
FINE IN TEXTURE, and
SYMMETRICAL IN FORM.
SUPERIOR.

Pkts., 5c. and 10c.
Oz., 20c. 1/4 Lb., 50c.
Lb., $1.50.

LEEK. German, Lauch.

1 OZ. OF SEED TO 150 FEET OF ROW.

SELECT good Onion soil, manure liberally, plant in April in drills 6 to 8 inches deep, and 18 inches apart, and thin to 9 inches apart in the drill. Gradually draw the earth around the plants until the drills are filled level with the surface. Draw for use in October. To be used in soups or boiled as Asparagus.

EXTRA LARGE.-A large and strong plant; hardy. The best variety for general culture. **Pkt., 5c. Oz., 15c. 1/4 Lb., 35c. Lb., $1.25.**

MUSSELBAUGH.—Oz., 20c. 1/4 Lb., 35c. Lb., $1.25.

LARGE ROUEN.—Pkts., 5c. and 10c. Oz., 20c. 1/4 Lb., 50c. Lb., $1.50.

LETTUCE. German, Lattich.

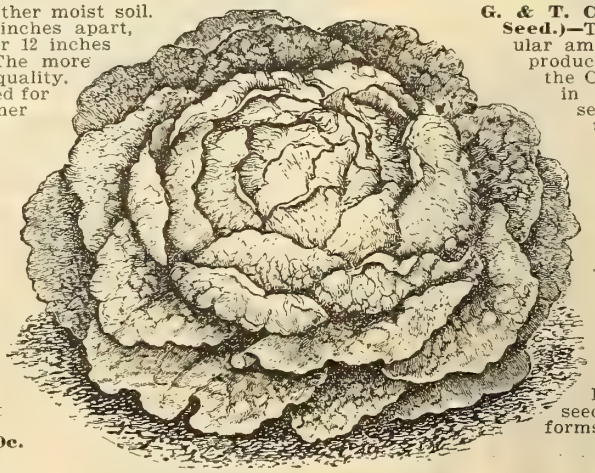
LETTUCE requires a rich and rather moist soil. The rows should be about 12 inches apart, and the plants thinned to 10 or 12 inches apart for the leading varieties. The more rapid the growth the better the quality. Some varieties are peculiarly adapted for early culture, others for summer growth.

G. & T. CO.'S WHITE SEED SUMMER LETTUCE.

The Best Summer Lettuce Ever Introduced.

This variety, introduced by us two years ago, has exceeded our expectation. Those who purchased it were delighted with their crops and came back for more seed. This Lettuce will stand the summer heat better than most sorts, and makes magnificent heads. We expect this sort to grow in favor wherever known. It has a beautiful green color; head solid; light; leaves nicely crinkled; very tender and of most excellent flavor.

Pkt., 5c. Oz., 20c. 1/4 Lb., 50c. Lb., $1.50.



G. & T. CO.'S SUMMER LETTUCE (Black Seed.)—This Lettuce is becoming very popular among gardeners for summer use. It produces a splendid, large, solid head, of the Cabbage type, remaining a long time in prime condition without going to seed; in fact, it is often necessary for the seed growers to slit open the head in order to allow the seed stalk a chance to develop. It is of a light green color, fine quality, crisp, tender, and nearly every plant will make a fine, solid head in the hottest weather, when other varieties refuse even to grow.

Pkts., 5c. and 10c. Oz., 15c. 1/4 Lb., 35c. Lb., $1.25.

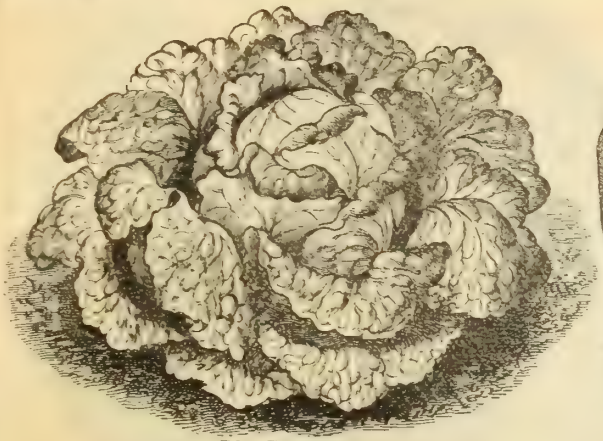
EARLY WHITE CABBAGE, OR BUTTER.—A broad-leaved, vigorous-heading sort; white, showy and desirable. **Pkt., 5c. Oz., 15c. 1/4 Lb., 30c. Lb., $1.00.**

EARLY CURLED SIMPSON.—Black seed. Very early; excellent for salads; forms a compact mass of leaves.

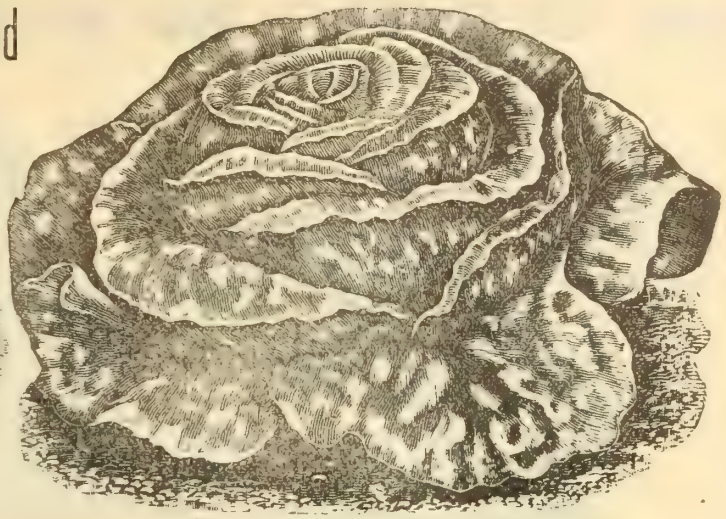
Pkts., 5c. and 10c. Oz., 15c. 1/4 Lb., 30c. Lb., $1.00.

TENNIS BALL.—Black seed. A favorite forcing variety; a very hard head. **Pkts., 5c. and 10c. Oz., 15c. 1/4 Lb., 30c. Lb., $1.**

LETTUCE-Continued



BIG BOSTON.



BALTIMORE CABBAGE LETTUCE.

BIG BOSTON.

The same in color, shape and general appearance as the Boston Market, double the size. A most desirable sort either for forcing in cold frames or planting in open ground. Is popular with truckers, as it makes large, solid, salable heads. Very highly recommended by those who have tried it.

Pkts., 5c. and 10c. Oz., 15c. 1-4 lb., 35c. Lb., $1.25.

MAMMOTH BLACK SEEDED BUTTER LETTUCE.

A strain of large, smooth leaved, head lettuce, forming very large, solid cabbage-like heads of thick, brittle leaves; the inner ones becoming very white, tender and fine flavored.

Pkt., 5c. and 10c. Oz., 15c. 1-4 lb., 35c. Lb., $1.25.

PARIS WHITE COS.—Differs entirely in shape from the other varieties, the head being elongated and of conical form, eight or nine inches in height and five or six inches in diameter. The outer coloring of this variety is yellowish green. It is very hardy and of good flavor. To blanch perfectly it must be tied up.

Pkt., 5c. Oz., 15c. 1-4 lb., 30c. Lb., $1.00.

BIG HEAD LETTUCE.

The "Big Head" is certain to please market gardeners and truckers, because it always produces large, salable heads. It is very solid and crisp, of tender quality, which makes it attractive.

Pkts., 5c. and 10c. Oz., 15c. 1-4 lb., 35c. Lb., $1.25.

Baltimore Cabbage Lettuce

G. & T. CO.'S TRUE STOCK.

Large Heads, Beautiful Heads, Solid Heads, Stands Heat Well. Best of all for FALL PLANTING.

THIS new Lettuce, which we introduced a few years ago, and claimed to be one of the best ever put on the market, and which produced such a sensation among the large growers who tried it, still holds a high place among Lettuce. As soon as the growers discovered its merits they came for more seed, and recommended it to all their friends; these, in turn, were delighted with their crops, as the result more than justified all we claimed for it. A grower at Gardenville, Md., says: "I had 3,000 heads of your Baltimore Cabbage Lettuce, and they all headed but one; they are slow to run to seed." The heads are large and solid; color, pretty light green, and very slow to seed; in fact, it is just what the truckers and gardeners want. A large trucker in New Jersey writes: "The Baltimore Cabbage Lettuce I had of you was certainly very fine."

Pkts., 5c. and 10c. Oz., 20c. 1-4 lb., 40c. Lb., $1.50.

BALTIMORE OAK LEAF.—This lettuce will resist the heat of summer and stand longer before running to seed than any variety we have ever known. It makes a large, solid head, and is very popular with those who know it.

Pkt., 10c. Oz., 20c. 1-4 lb., 40c. Lb., $1.50.

IMPROVED NEW YORK, or "WONDERFUL."

Plants of extra large growth producing heads of immense size under favorable conditions. Inner portion is beautifully blanched, and stands for a considerable time before running to seed. Outer leaves a deep, rich green.

Pkts., 5c. and 10c. Oz., 15c. 1-4 lb., 30c. Lb., $1.00.

CREAM BUTTER LETTUCE. (Black Seed).

This is fairly well known, and has given good results with the growers.

Pkt., 5c. Oz., 15c. 1-4 lb., 35c. Lb., $1.25.

HANSON.—A variation of the Indiana, forming a half-closed head.

Pkts., 5c. and 10c. Oz., 15c. 1-4 lb., 30c. Lb., $1.00.

SALAMANDER (Black Seed).

An excellent sort for spring or summer use; forms good-sized heads of excellent quality.

Pkt., 5c. Oz., 10c. 1-4 lb., 30c. Lb., $1.00.

Large Loaf Lettuce

LARGE LOAF LETTUCE.

THIS is so well known to truckers and gardeners around Baltimore and Norfolk that for them it scarcely needs description. For the benefit of those who are not acquainted with it, would say it makes large, compact heads, is of beautiful light green color, very tender and crisp. This is unsurpassed for frame use, and is also an excellent outdoor Lettuce for fall or early spring.

Pkt., 5c. Oz., 10c. 1-4 lb., 30c. Lb., $1.00.

BOSTON MARKET.

White seed. A celebrated variety in New England, of good heading habit; small, early and compact; quite desirable.

Pkts., 5c. and 10c. Oz., 15c. 1-4 lb., 35c. Lb., $1.25.

GRAND RAPIDS.—This variety is largely grown for shipment, and is considered by many the best loose-headed Lettuce for forcing under glass. Leaves medium size, of light, yellowish-green color, much crimpled and frilled, thin, but of very upright growth; crisp, tender and of good quality. Owing to its upright habit, it may be planted very closely. It is of extremely rapid growth; very little liable to rot; will stand without spoiling a week to ten days after it is fit to cut, and retains its freshness a long time after cutting.

Pkt., 5c. Oz., 10c. 1-4 lb., 30c. Lb., $1.00.

DEFIANCE.

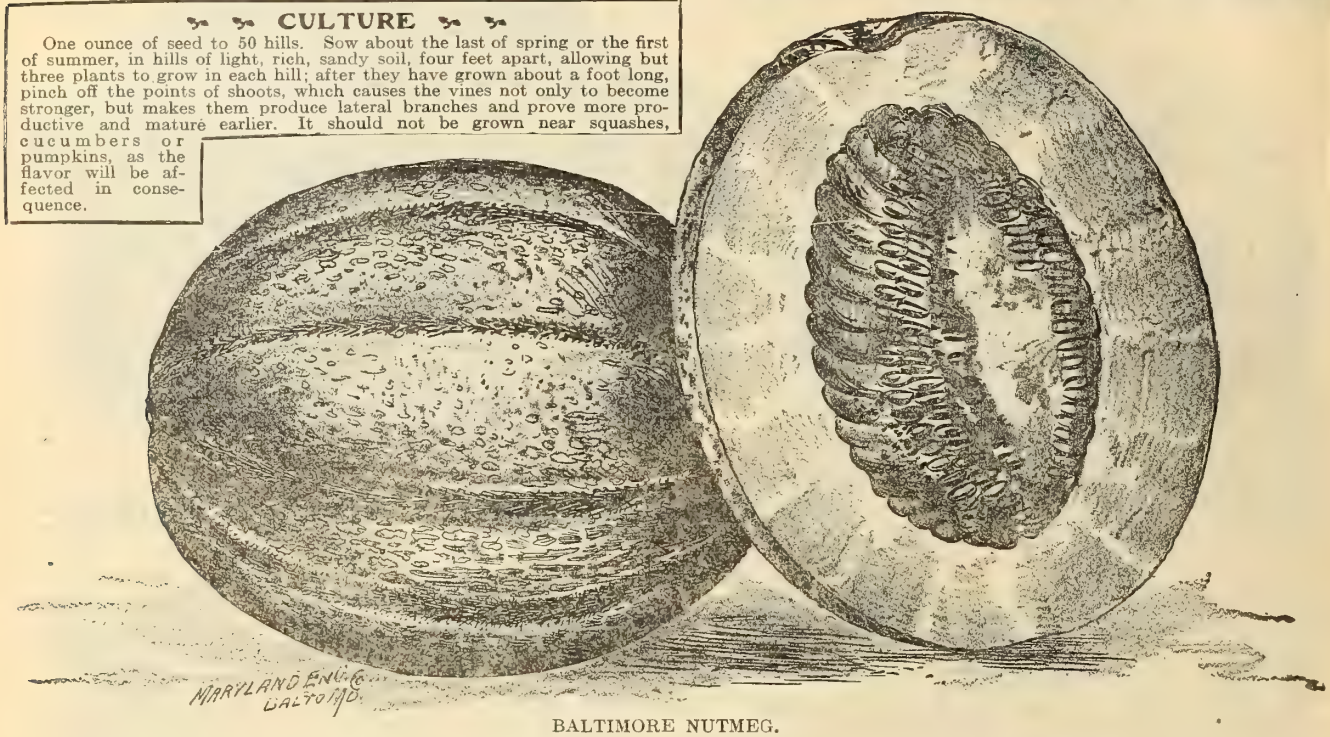
Stands summer heat better than any other variety; one of the finest large-growing varieties. It forms very large, solid heads, so firm, they have to be cut open to allow the flower heads to come through.

Pkt., 5c. Oz., 10c. 1-4 lb., 30c. Lb., $1.00.

MUSK-MELON. German, Melone.

CULTURE

One ounce of seed to 50 hills. Sow about the last of spring or the first of summer, in hills of light, rich, sandy soil, four feet apart, allowing but three plants to grow in each hill; after they have grown about a foot long, pinch off the points of shoots, which causes the vines not only to become stronger, but makes them produce lateral branches and prove more productive and mature earlier. It should not be grown near squashes, cucumbers or pumpkins, as the flavor will be affected in consequence.



BALTIMORE NUTMEG.

Baltimore Nutmeg Cantaloupe.

THE cut is from a photograph taken from a sample lot of BALTIMORE NUTMEG CANTALOUPES gathered from the field where our seed was grown, and is a fair representation of the whole crop. The stock seed of this splendid melon was secured from a trucker who enjoys the reputation for raising the finest Cantaloupes that come to the Baltimore market. The writer also tested the fruit, and found it to be of excellent flavor. It is green-fleshed, and the rind is handsomely netted. It is well known and popular with the truckers and market gardeners of Baltimore. Washington, Norfolk and other places; in fact, it is a leading sort all over the country.

Pkt., 5c. Oz., 10c. ¼ Lb., 25c. Lb., 75c.

EMERALD GEM.

Meat salmon color, exceedingly sweet and delicious; very early and prolific. One of the best for family use. Its appearance is not attractive, but try it, and you will want it again.

Pkt., 5c. Oz., 15c. ¼ Lb., 40c. Lb., $1.40.

OSAGE, OR MILLER'S CREAM.

Most delicious. The flesh is a rich salmon color, very thick, sweet and rich; rind very thin and finely netted.

Pkt., ...5c.
Oz., ...15c.
¼ Lb., 35c.
Lb., $1.15.

EARLY NETTED GEM.

EXTENSIVELY grown, and many prefer it to all others for table use. Grows remarkably uniform; thick meated; flesh light green in color, and of fine, luscious flavor; skin green, regularly ribbed and thickly netted; very productive and extra early in ripening; will keep for nearly a week after picking, and is especially suited for shipping in baskets or crates.

Pkts., 5c. and 10c. ¼ Lb., 30c. Lb., $1.00.

IMPROVED JENNY LIND.

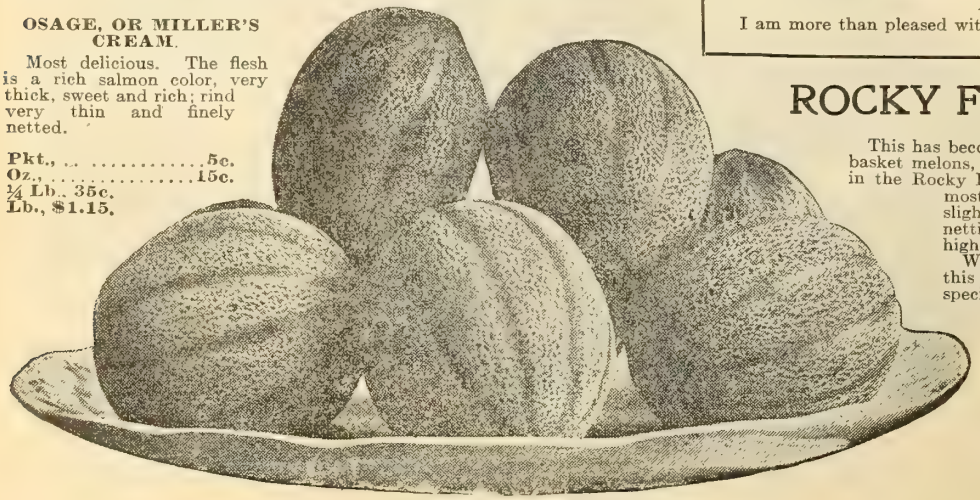
A small, early variety of surpassing good quality, highly recommended for family garden. We consider this the most delicious Cantaloupe we have ever eaten, and while the fruit is small, it is an abundant bearer. A market gardener having this sort for sale would in a short time have no difficulty in disposing of all he could raise.

Pkt., 5c. Oz., 10c. ¼ Lb., 30c. Lb., 90c.

TRUE TO NAME.

The ROCKY FORD I got of you last year was excellent and every hill proved true to name.
J. A. RICHARDSON, Smithsburg, Md.

I am more than pleased with your seed.
N. E. MILLER, Virginia.



ROCKY FORD.

ROCKY FORD MELON.

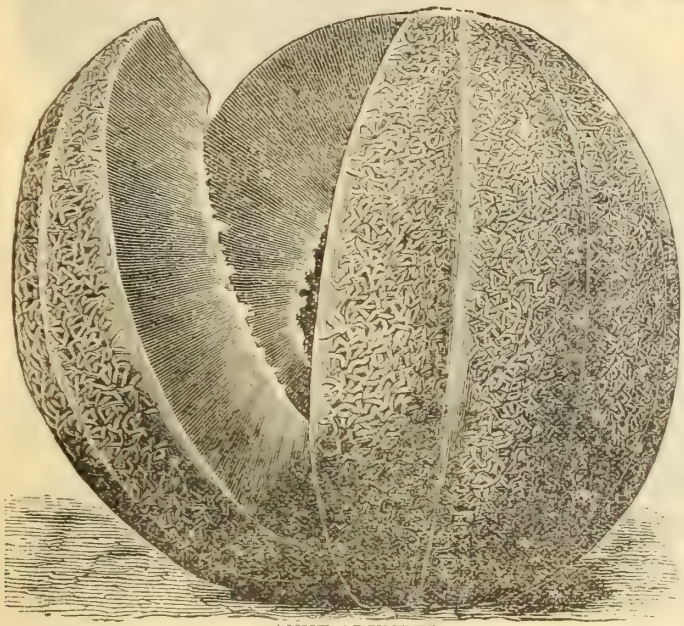
This has become one of the most popular of small or basket melons, largely owing to the fact that growers in the Rocky Ford region pack and ship their fruit in a most attractive manner. The fruit is oval, slightly ribbed, densely covered with coarse netting. Flesh thick, green, very sweet and high-flavored.

We have an exceptionally fine stock of this variety grown from choice selected specimens.

Pkt., 5c. Oz., 10c. ¼ Lb., 30c. Lb., $1.00.

All Prices Subject to Change Without Notice.

MUSK MELONS==Continued



ANNE ARUNDEL.

Anne Arundel Cantaloupe

(Original Stock).

The cut represents a sample of our stock photographed from fruit taken from the growing seed crop. It is very large, nearly round, deeply netted, and of good flavor. A wagonload of them at once attracts the buyers' attention, and when piled up on a market stall they are irresistible. No large grower's stock is complete without this superb melon.

This handsome melon, introduced by us several years ago, was for years a special favorite with a number of the leading growers of Anne Arundel County, Maryland. This county is justly celebrated as growing the finest Cantaloupes in the country. We might almost say, the finest in the world. Knowing its value, we selected the stock and placed it before our customers. It has met every promise we made for it upon its introduction.

One grower says: "It is in all respects one of the best of melons."

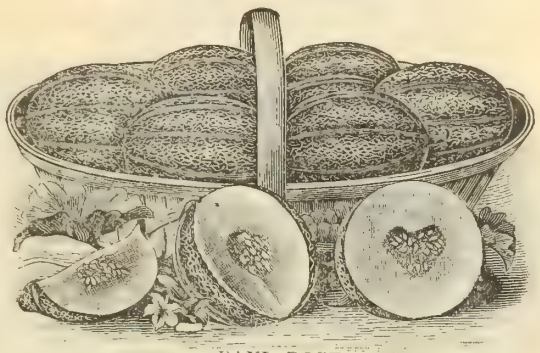
Another says:

"Portsmouth, Va.

"Dear Sirs—The Anne Arundel Cantaloupe was perfectly satisfactory—just what it is claimed to be. It proved to be early, of good size, and gave me a large yield."

Pkt., 5c. Oz., 15c.
1/4 lb., 35c. Lb., 95c.

Paul Rose



PAUL ROSE.

This variety originated with one of the most successful melon growers in the country, who reports that when planted for market the fruit has brought him nearly twice as much per acre as he realized from any other sort. In this new sort are combined all the good qualities of the Netted Gem and the Osage, the varieties from which it originated. The fruit is oval, about 5 inches in diameter, and in shape and general appearance similar to the well-known Netted Gem of Rocky Ford. The firm flesh is a rich orange red color, like that of the Osage, but even sweeter and higher flavored, retaining its good qualities quite to the rind. We have found the fruit the most uniformly good of any musk melon we have ever grown, every one of the hundreds tested being sweet and rich flavored. It is rare that a musk melon of such superlative quality is a good market or shipping sort, but the firm, solid flesh and thin but strong rind of this sort makes it the best shipper we know of, while it is just the size for hotel and table use. We think it really has no equal as a market melon for professional melon growers, and it is one of the very best sorts for the home garden.

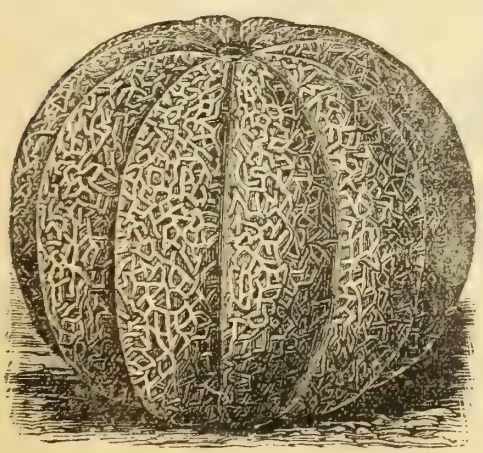
Pkt., 5c. Oz., 15c. 1/4 lb., 35c. Lb., $1.00.

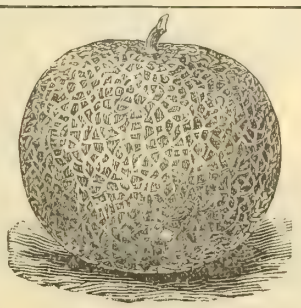
Southern Beauty Cantaloupe

The Musk Melon for the South.

The Grower says: "It is the finest Cantaloupe I have ever planted, particularly suited to the Southern climate. It is remarkably free from rot of all sorts caused by damp or rainy weather, and will hold up a long time after they have ripened, the outer rind remaining firm and sound for at least ten days after the melon first ripens." Again he says: "I shipped these cantaloupes from this point to Chicago, Ill., Cleveland and Cincinnati, Ohio, by freight, where they arrived in perfect condition, and brought fancy prices."

Pkt., 5c. Oz., 15c.
1/4 lb., 35c. Lb., $1.00.





Banquet

This superb melon represents years of careful selection and improvement. The raiser regards it as his greatest production and likely to supersede all other red-fleshed melons. "The Banquet" is a medium-sized melon, flat at both ends, and more beautifully netted than any known variety. In quality it has no equal; the flesh is uniformly deep and of that granulated character that always indicates a good melon; the color is a dark, rich salmon.

Pkt., 5c. Oz., 15c.

Extra Early Hackensack

Netted, green flesh and excellent; very showy market variety and an excellent keeper. Ten days earlier than the Old Hackensack.

Pkt., 5c. Oz., 15c. 1/4 lb., 40c. Lb., $1.25.

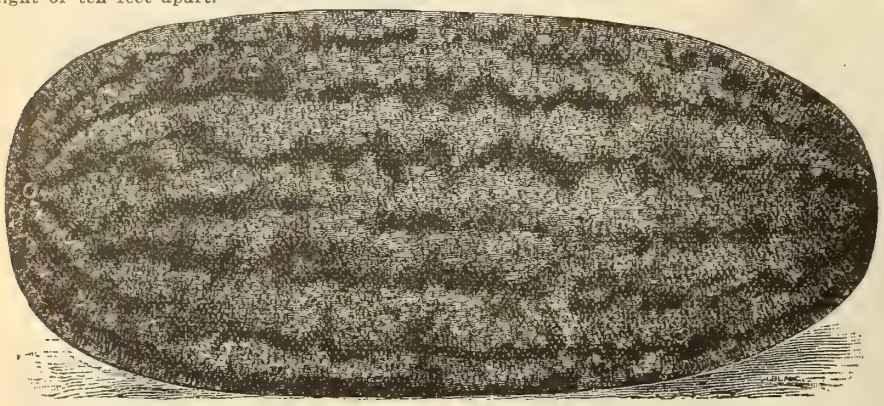
PERFECTED—DELMONICO.—This is one of the best of the red-flesh sort; the flesh is a deep, rich orange color, of very fine grain, and of delicate and delightful flavor. **Pkt., 5c. Oz., 15c.**

LONG ISLAND BEAUTY. Pkt., 5c. Oz., 15c. 1/4 Lb., 50c. Lb., $1.50

WATERMELONS

German—Wasser Melone

CULTURE.—One ounce of seed to thirty hills. Watermelons require a rich, sandy soil for best development. Cultivate the same as for Cantaloupes, except that the hills should be eight or ten feet apart.



Lord Baltimore

IT is early, very large, of oblong shape, and the flesh is of handsome crimson color, deliciously sweet, and extending close up to the rind. It has a thin, hard rind, beautifully mottled light and dark green. Its perfect shape, faultless color, fine texture and excellent flavor combine to make it one of the very best Melons that grows. It is a good shipper, and beats all others as a seller. **Pkt., 5c. Oz., 10c. 1-4 Lb., 20c. Lb., 60c.**

Florida Favorite

THIS we consider the richest and sweetest flavored Melon grown, of medium size and prolific. The best of all for family garden. It is now very popular with the truckers and Melon-growers of Maryland and Virginia, and sells readily in the Baltimore markets.

Pkt., 5c. Oz., 10c. 1-4 Lb., 20c. Lb., 60c.

McIVER'S SUGAR WATERMELON.

In outward appearance it somewhat resembles the old Rattlesnake. The quality, however, is so much superior that it is an injustice to mention the Rattlesnake on the same page with it, as it even surpasses such excellent varieties as Florida Favorite and Icing. It is also an extremely productive and hardy variety.

Pkt., 5c. Oz., 10c. 1-4 Lb., 20c. Lb., 60c.

FORDHOOK EARLY.

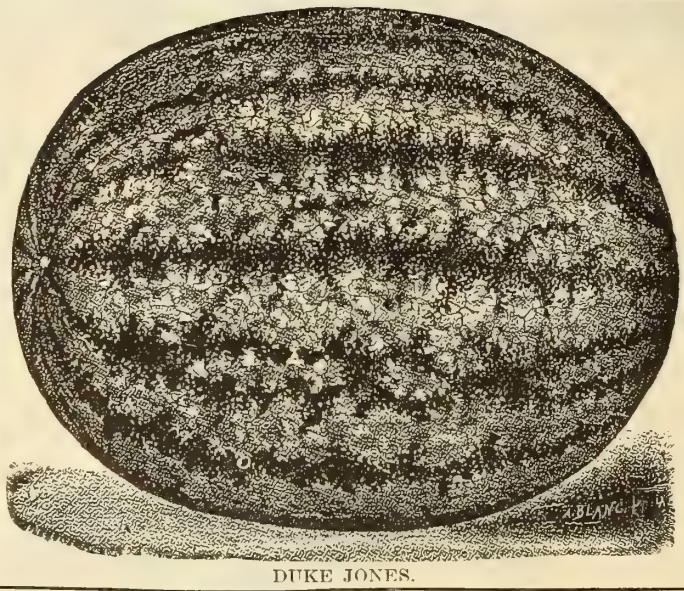
This is a very early variety, growing to a good size; color, medium green; form, nearly round; seeds, white; flesh, bright red and very sweet.

Pkt., 5c. Oz., 10c. 1-4 Lb., 15c. Lb., 50c.

Duke Jones Watermelon

IN shape the **DUKE JONES** resembles very closely the Kolb Gem. The rind is darker green in color, with indistinct, irregular stripes of dark and light green alternating; in general appearance it is a dark green Melon. It averages very large in size, comparatively no small Melons; is very productive; it is also very early in maturing, ripe Melons being plucked from the vine just 67 days from the date of planting. Its chief claim for popularity is its delicious flavor. The flesh is crisp and very sweet, firm, but not too tough; no hard middles; but ripens evenly throughout; flesh deep crimson in color. The Duke Jones is the largest of Melons, but has no superior in its delicious flavor.

Pkt., 5c. Oz., 10c. 1-4 Lb., 15c. Lb., 40c.



DUKE JONES.

BLACK BOULDER.

It is enormously productive, reaching a mammoth size, with rich, dark green skin. It cuts equal to any Melon we have ever eaten, and its shipping qualities are phenomenal, no other Melon equaling it in tough skin and rind; in this respect even superior to Kolb Gem.

Pkt., 5c. Oz., 10c. 1-4 Lb., 20c. Lb., 60c.

KLECKLEY'S SWEETS.

Skin dark green, thin rind, flesh scarlet, very solid, firm and most luscious quality. For the home market or family garden it is decidedly one of the best.

Pkt., 5c. Oz., 10c. 1-4 Lb., 20c Lb., 75c.

Triumph Watermelon

THIS new Melon, as a market sort and for shipment, is the best we have ever introduced. It is very prolific, very early, and of uniformly large size. It is a cross between the Duke Jones and the Kolb Gem; has the handsome appearance of the former and the fine shipping qualities of the latter.

The rind, like Duke Jones, is of dark green color; the seed is exactly the same color as that of Kolb Gem. The average size of the Melon is very large.

Pkt., 5c.
Oz., 10c.
1-4 Lb., 15c.
Lb., 50c.

GRAY MONARCH, OR LONG WHITE ICING.

This distinct Melon is without doubt one of the largest of all, frequently attaining a weight of 70 pounds and over. The skin is a mottled gray color, shape long, flesh bright crimson, and of sweet, delicious flavor. It is also a fine shipper, carrying well long distances, and bringing very high prices.

Pkt., 5c. Oz., 10c. 1-4 Lb., 15c. Lb., 50c.

RATTLESNAKE WATERMELON.

Large, oblong, striped and mottled; flesh bright red; a good shipper; a favorite variety in the South.

Pkts., 5c. and 10c. 1-4 Lb., 15c. Lb., 50c.

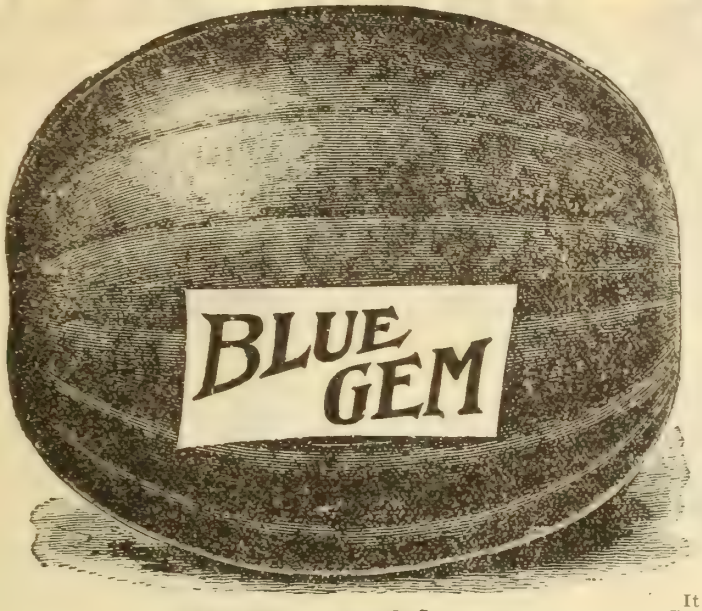
CITRON

FOR PRESERVES.

Fruit round, handsome and small.
Used in making preserves only.

Pkts., 5c. Oz., 10c. 1-4 Lb., 25c. Lb., 75c.

WATER-MELONS—Continued.



BLUE GEM.

THIS splendid Melon resembles the Kolb Gem in shape, and is of a dark bluish color, with small grayish stripes. It is one of the very best shippers, and as a table Melon much superior to the Kolb Gem. Very productive, and is handsome and showy.

A grower in Dixie (Georgia) says: "If you want a shipper that will go around the world, you can safely select the **BLUE GEM.**"

Pkts., 5c. and 10c. 1/4 Lb., 15c. Lb., 35c. 5 Lbs., $1.50.

KOLB'S GEM.

THIS is one of the largest, most productive, best-keeping and best-shipping Watermelons grown. Sells readily at the highest market prices. In fact, it is so well known that it speaks for itself. Our stock of this comes direct from the original grower. Special prices on large quantities

Pkt., 5c. Oz., 10c. 1/4 Lb., 15c. Lb., 30c.

DIXIE.

It is earlier and larger than the well-known and popular Kolb Gem, and in color a darker green, with beautiful stripes, making it one of the handsomest Melons on the market. Flesh deep red, sugary and melting.

Pkts., 5c. and 10c. 1/4 Lb., 15c. Lb., 40c.

SWEETHEART.

An entirely distinct and handsome new Watermelon. Vine vigorous and productive, ripening early. Fruit large, oval, very heavy, uniformly mottled light and dark green. Flesh bright red solid and very sweet.

Pkt., 5c. Oz., 10c. 1/4 Lb., 20c. Lb., 50c.

English Mill Track Mushroom Spawn.

Lb., 12c. By Mail, 20c. 1b. 10 Lbs., $1.00. 100 Lbs., $8.00.

CULTIVATION.

THE cultivation of the Mushroom is a very simple matter, and requires only ordinary intelligence and care. The materials needed are fresh horse manure, good soil and live spawn. The manure should not be too short, as it does not combine the necessary qualities. Long, strawy litter, plentifully mixed with short manure, makes by far the best beds, as it does not heat too violently, decomposes slowly and retains its heat for a long period. Put in a heap and turn every three or four days to permit the escape of noxious gases and prevent burning. When ready for use it should be as hot as can be borne comfortably by the hand, and should also be moist. Make the beds 3 feet wide at the base, 2½ feet high, and of any desired length. The manure, when in proper condition, should be quickly handled to prevent the loss of heat, and be beaten down to make the heap firm and compact, and cover with long litter. The bed should within a few days warm to a temperature of 110 to 120 degrees. Never spawn a bed when the heat is rising, but always on the decline and under 90 degrees. Have a ground thermometer, and keep it plunged in the bed; by pulling it out and looking at it you can ascertain exactly the temperature of the bed. Should the temperature not exceed 100 or 110 degrees no alarm should be felt, for if the manure was fresh it will likely produce a good crop. Where the heat has decreased to 90 degrees the bed is ready to receive the spawn, which is done by raising the manure with the hand and inserting pieces of spawn 2 inches square and 9 inches apart each way. At the expiration of a few days the bed may be covered with soil to the depth of about 2 inches. If in a closed cellar or mushroom house, wait about ten days, but if in open shed five days will do. If the soil is poor, add a liberal quantity of bone meal. It requires a period of 5 to 7 weeks before they are ready for use.

Two pounds of spawn are sufficient for a bed 3 feet by 6 feet.

Mushrooms can be readily grown in cellars, stables, sheds or pits. Many are successfully grown on a shelf in an ordinary cellar, and yield sufficient crops to compensate the grower for his effort. The space under greenhouse benches or stagings will suit them exactly, using materials in same manner as described.

MUSHROOM ON PASTURE LAND OR LAWN.—About the first of June take pieces of spawn an inch square, and lift the sod with a trowel or spade just sufficient to get a spawn under it, and then press the soil down hard. Set the spawn 1 to 2 feet apart. In a favorable season a crop may be expected in 3 or 4 months from the time of planting.

MUSTARD.

GIANT CURLED.

HIGHLY esteemed in the South, where the seed is sown in the fall, and used in the spring as a salad. Our stock is the true curled leaf, and produces plants 2 feet high and of greater breadth, forming enormous bunches.

Pkt., 5c. Oz., 10c. 1/4 Lb., 15c. Lb., 40c.

WHITE MUSTARD.

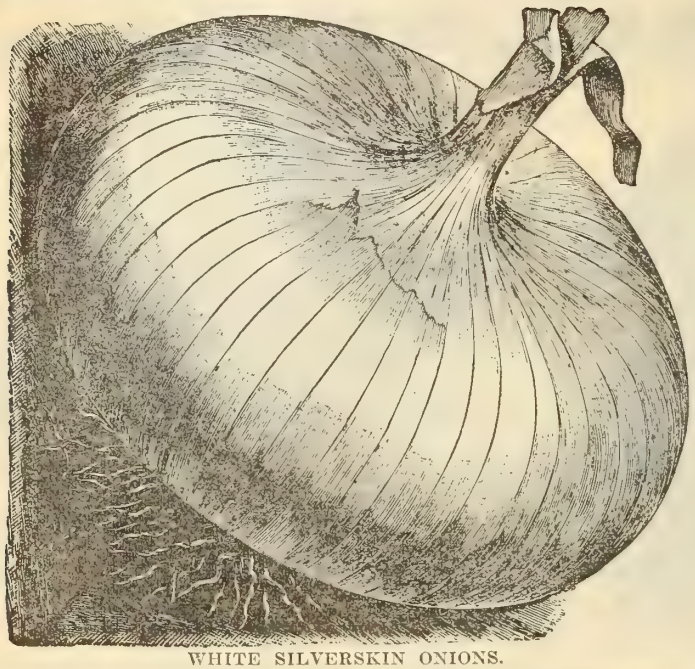
1/4 Lb., 10c. Lb., 25c.

NASTURTIUM.

Plant in May, the climbing varieties to cover arbor or fence, and the dwarf for beds or hanging baskets. The leaves are used for salad, and the seeds, when soft enough to be penetrated by the nail, for pickles.

TALL.—Pkt., 5c. Oz., 10c. 1/4 Lb., 25c. Lb., 70c. **DWARF.—Pkt., 5c. Oz., 15c. 1/4 Lb., 30c. Lb., $1.00.**

ONION SEED



WHITE SILVERSKIN ONIONS.

CULTIVATION.

TO GROW LARGE ONIONS FROM SEED.

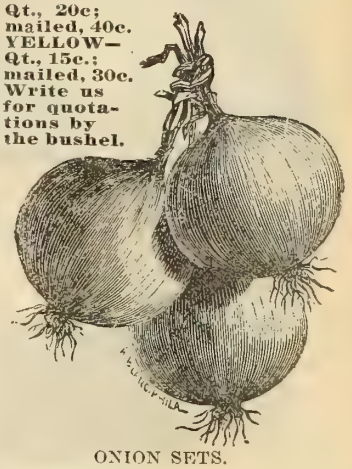
THE seed should be sown as early as possible in the spring, as they grow much better during the cool weather, and should make most of their growth before the hot weather sets in. Sow 5 pounds of seed to the acre for large Onions.

THE NEW ONION CULTURE.

Sow the seed in hot-bed, and transplant early as possible to open ground. They can be grown very successfully by this plan.

ONION SETS.

WHITE—Qt., 20c; mailed, 40c. YELLOW—Qt., 15c.; mailed, 30c. Write us for quotations by the bushel.



ONION SETS.

WHITE SILVERSKIN, or PORTUGAL.

A good variety for family use; skin and flesh pure white, mild flavor and flat shape. The best white Onion to grow largely for sets.

Pkts., 5c. and 10c.
Oz., 20c. 1-4 lb., 50c.
Lb., $1.75.

WHITE PEARL ONION.

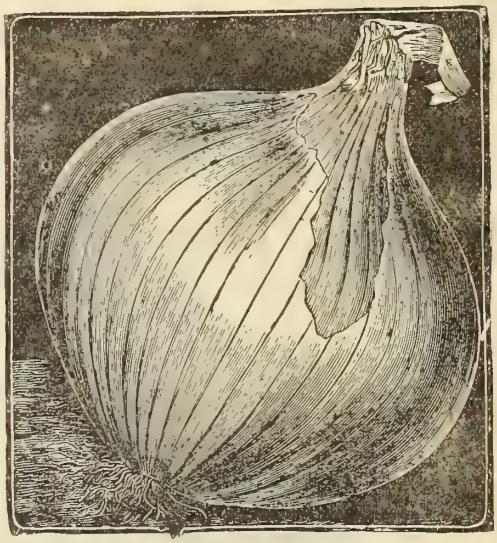
Earliest of all, growing with all the rapidity of a summer Radish. Pearly white, waxy and transparent. Form flat and broad, flavor very mild, and it can be eaten raw almost like an apple. On rich soil it will grow very large. This is an elegant sort to sow for large Onions, because of its rapid growth and fine quality.

Pkt., 5c. Oz., 20c. 1/4 lb., 50c. Lb., $1.75.

AUSTRALIAN BROWN.—A Valuable Long-Keeping Onion.

This new Onion, introduced into the United States a few years since, has met with wonderful success, and is pronounced the best keeper of all Onions. The outside skin is of a deep amber brown, distinct from all other Onions, extremely hard and firm, of fine flavor and will keep almost indefinitely. Australian Brown is the only Onion Australian growers will plant.

Pkts., 5c. and 10c. 1/4 lb., 30c. Lb., 85c.



PRIZETAKER ONION.

CULTIVATION FOR SETS.

HAVE a clean and very rich soil, which should be thoroughly cultivated, or it will not do well enough to pay for the trouble. The most successful growers work their ground several times in the fall to kill out the weeds and get ground in nice condition. Use well-rotted manure freely, and be sure to get the seeds in as early as possible in the spring, no matter if it is ever so cold or unpleasant, and keep the soil mellow and clear of weeds, and if seed is good you will have a large crop of Onion Sets. On no other condition can you hope for success. Disturb the roots of the Onion as little as possible, either in thinning or hoeing, and never hoe earth toward them to cover or hill, as we do most other things.

Sow the seed in drills about 12 inches apart. It will require from 40 to 60 pounds to sow an acre.

OKRA OR GUMBO.

SELECT warm location and rich soil, and plant when the ground becomes warm, in rows three feet apart, thinning plants a foot apart in the row. As the seeds are liable to rot in cool weather, they should be sown thickly. The pods are used to thicken soup, being gathered when young. It is one of the most wholesome vegetables in use.

G. & T. CO.'S NEW DWARF PROLIFIC OKRA.

This new Okra just introduced by us, is being sold for the first time. The stock was secured from one of our leading truckers. It is specially used by canners and market gardeners in and around Baltimore.

Pkt., 5c. Oz., 10c. 1-4 lb., 20c.
Lb., 60c.

DWARF OKRA.

This is the preferred kind with the growers; is of dwarf habit and very productive.

Pkt., 5c. and 10c.
1-4 lb., 15c. Lb., 40c.

WHITE VELVET.

It is very distinct, and the pods are perfectly round and smooth, of an attractive white velvet appearance, and of superior flavor and tenderness. The pods are of extra large size, and produced in great abundance.

Pkt., 5c. Oz., 10c.
1-4 lb., 15c. Lb., 40c.

PRIZETAKER.

American Grown.

THIS is the large, beautiful Onion that is seen every fall offered for sale at the fruit stores in Baltimore and other large cities. It has a rich straw color and is of enormous size. Although of such large size, it is very hardy and an excellent keeper. The flavor is mild and delicate, making the Prizetaker a favorite variety for salads. By sowing this sort early you can raise a large crop of large Onions the first season with very little trouble. All that is necessary is good ground., proper cultivation, and not to have them too thick. Those of our growers who have tried this variety have had remarkably fine success.

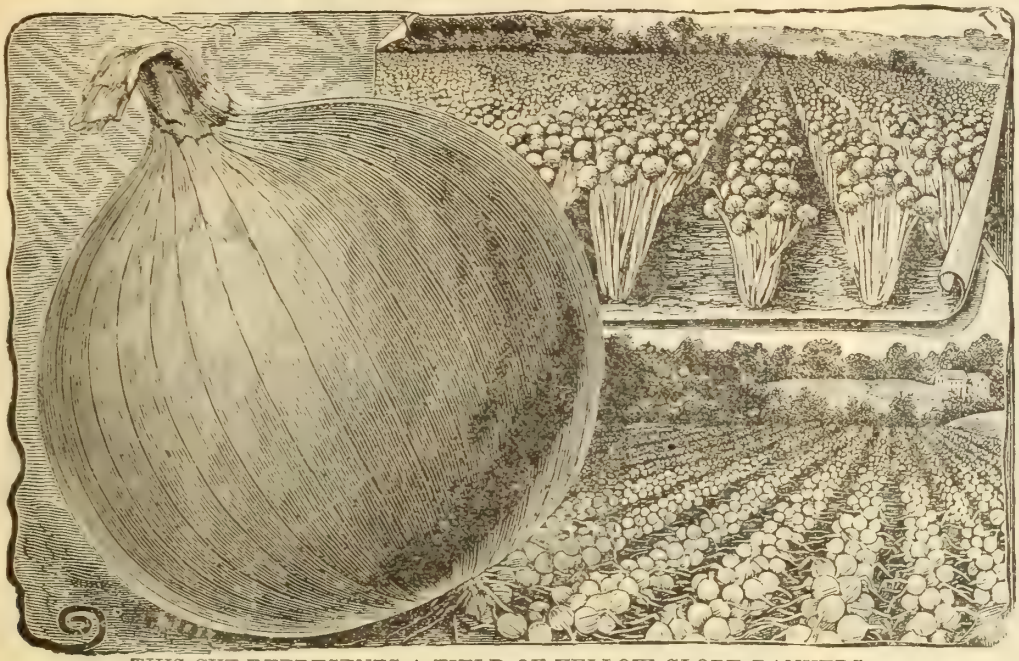
Pkt., 5c. Oz., 15c. 1-4 lb., 35c.
Lb., $1.25.

WETHERSFIELD LARGE RED.

A well-known and favorite sort. A large yielder and good keeper.

Pkt., 5c. Oz., 10c. 1-4 lb., 30c.
Lb., $1.00.

ONION SEED — ontinued.



THIS CUT REPRESENTS A FIELD OF YELLOW GLOBE DANVERS.

YELLOW GLOBE DANVERS.

A very handsome, round, yellow Onion, a large yielder and splendid keeper; the preferred sort with market gardeners and large growers all over the country. We unhesitatingly recommend it for growing either sets or large Onions. **Pkt., 5c. Oz., 10c. 1/4 Lb., 30c. Lb., 90c. 5 Lbs., $4.00.**

An Order for Seed in packets, and Beans, Peas and Corn in pints and quarts, amounting to $5, will be sent for $4, purchaser paying freight.

LARGE YELLOW DUTCH, OR STRASBURG.

Very fine; a good keeper. The kind used very largely by those who grow Onion Sets for market.

Pkt., 5c. Oz., 10c. 1/4 Lb., 25c. Lb., 85c. 5 Lbs., $4.00.

YELLOW FLAT DANVERS.

Oz., 10c. 1/4 Lb., 25c. Lb., 85c.

BERMUDA VARIETIES.

THEY are of a mild and delicate flavor and keep longer than any foreign variety. Like the Italian varieties, they will produce full-grown Onions from seed the same season. In the South seed sown in the fall will produce fine, large Onions for market in early spring.

RED BERMUDA.

Pkt., 10c. Oz., 20c. 1/4 Lb., 65c. Lb., $2.00.

WHITE BERMUDA.

Pkt., 10c. Oz., 20c. 1/4 Lb., 65c. Lb., $2.00.

PARSNIP.

THE Parsnip will flourish best and give the longest, largest and smoothest roots in a very deep, rich soil—one that has been made rich from manure the previous year. Fresh manure makes the roots somewhat ill-shaped. Sow as early in the spring as the ground can be made ready, pretty thickly in drills from 12 to 18 inches apart, and about an inch deep. Thin the plants to 5 or 6 inches apart.

Hollow Crown or Sugar.

THE Hollow Crown is superior in quality to all other varieties, and the preferred kind with Baltimore gardeners. The roots are smooth, tender, handsome shape and early. We have the finest stock of Hollow Crown Parsnips that we know of in this country.

Pkts., 5c. and 10c.
1/4 Lb., 15c. Lb., 40c.

DOING SPLENDID.

We were very much pleased with the garden seeds we got from you. What we have sown are doing splendid.

MRS. A. B. RENN,
Feagaville, Md.

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE.

PARSLEY.

SELECT rich soil; sow the seed in drills one foot apart, covering half an inch deep. It would be well to firm the soil with the foot after sowing the seed. As the seed is usually from 15 to 25 days in vegetating, it will be necessary to sow early. Thin plants to 4 inches apart when 2 inches high. The beauty of the plant may be increased by several successive transplantings. It is used principally for flavoring soups, etc., and for garnishing in its natural state.

DWARF EXTRA CURLED.—The most beautiful and valuable variety in use; handsome bright green color, finely crimped, beautifully curled. **Pkt., 5c. Oz., 10c. 1/4 Lb., 20c. Lb., 50c.**

MOSS CURLED.—A very select crimped variety.
Pkt., 5c. Oz., 10c. 1/4 Lb., 20c. Lb., 60c.

PEPPER, or Capsicum.

IS cultivated mainly for Pickles; used as a seasoning in many ways; sometimes medicinally. Sow seed early in hot-bed, if possible; if not, select a warm place in the garden for seed bed; sow as soon as the soil is warm. Transplant when 3 or 4 inches high, in rows 18 inches apart.

CAYENNE.—Small, long and tapering, very hot; best for seasoning Pickles. **Pkts., 5c. and 10c. Oz., 20c. 1/4 Lb., 65c.**

LARGE SWEET.—Very large and excellent for Mangoes or Stuffed Pickles. **Pkts., 5c. and 10c. Oz., 20c. 1/4 Lb., 50c.**

BULL NOSE, or BELL.—Good for pickling; very hot.
Pkts., 5c. and 10c. Oz., 20c. 1/4 Lb., 50c.

RUBY KING.—Excellent sort of large size and mild flavor.
Pkts., 5c. and 10c. Oz., 20c. 1/4 Lb., 60c.

GOLDEN QUEEN.—In shape and size similar to Bull Nose; of mild flavor; color, yellow. **Pkts., 5c. and 10c. Oz., 25c.**

RED CHERRY.—**Pkts., 5c. and 10c. Oz., 20c.**

RED CHILI.—**Pkts., 5c. and 10c. Oz., 20c.**

EXTRA EARLY VARIETIES.

G. & T. Co.'s First Early

(In sealed bags thoroughly rogued and hand-picked).

THIS is the earliest of all, and the most profitable early market Pea, because of its early maturity, uniformity of growth and ripening, and its productiveness. It ripens up so evenly as only to require about two pickings to secure the crop. It is grown from selected stock, under our own supervision, and the greatest care is exercised to keep it up to the highest standard of quality. It is a great favorite with the truckers, and is largely used by private families. Our sales of this sort increase annually. **Pt., 15c. Qt., 30c. Peck, $1.60. Bus., $6.00.**

DEXTER (Genuine Stock).—Thoroughly rogued and hand-picked.
Qt., 25c. Peck, $1.50. Bus., $5.75.

RURAL NEW YORKER.—Height, 2½ feet. In maturity it is among the first early.
Qt., 25c. Peck, $1.50. Bus., $5.75.

FIRST AND BEST.—Height, 2½ feet. Grown with special care. One of the early varieties. **Qt., 25c. Peck, $1.50. Bus., $5.75**

TRIUMPH.
Qt., 20. Peck, $1.50. Bus., $5.75.

PHILADELPHIA.—Extra early.
Qt., 20. Peck, $1.50. Bus., $5.75.

ALASKA.—Our best rogued and hand-picked stock. Height, 26 inches. The earliest Blue Pea; very uniform in growth and time of ripening. The dark green color of pods makes this a most desirable sort for canners and shippers, as it can be carried long distances without losing color. **Qt., 25c. Peck, $1.50. Bus., $5.75.**

GRADUS — PALE GREEN WRINKLED.—The most attractive novelty of recent years. Large, handsome pods, well filled, ripening with the earliest, and of vigorous habit.
Pt., 25c. Qt., 50c. Peck, $3.25.

Owing to failure in crops in the seed-growing section the prices of seed are subject to change without notice.

ADD 8c. PINT FOR POSTAGE.

PEAS.

NOTICE.—In ordering Peas to be sent by mail, please add 8c. per pint to pay postage.

THE dwarf varieties should be liberally manured; the tall sorts will run too much to vine if heavily manured, it being better to depend on the richness of the land that was previously in a good condition. Plant the dwarf in rows two feet apart. Those varieties attaining the height of from two to three feet in rows three feet apart and the rows of the tallest sort four feet apart. Bushing the tall kind when six inches high, on poles set every six or eight feet, with twine fastened to them about four inches apart will answer finely.

NOTT'S EXCELSIOR PEAS.

DWARF EXTRA EARLY VARIETIES.

NOTT'S EXCELSIOR.—Is the best of dwarf wrinkled extra early of recent introduction. The vines are larger and more vigorous than the American Wonder, while the pods are fully one-third larger, containing 6 to 8 fine, large Peas, packed so closely together in the pods that the Peas are always more square than round. The pods are always well filled with Peas, which in sweetness and quality have no superior.
Pt., 20c. Qt., 35c. Peck, $2.00.

AMERICAN WONDER.—Very luscious in flavor. Try it. Height, 12 inches. The earliest wrinkled Pea; very productive and sweet. Better suited to the private than to the market garden. **Qt., 35. Peck, $2.00.**

PREMIUM GEM.—Height, 15 inches. An improvement upon the Little Gem. A splendid wrinkled dwarf Pea, very luscious in flavor.
Pt., 15c. Qt., 30c. Peck, $2.00. Bus., $7.25.

McLEAN'S LITTLE GEM.—Similar to Premium Gem, but more straggling in growth, pods not so well filled; height 18 inches; seed green, wrinkled.
Pt. 15c. Qt., 30c. Peck, $1.75. Bus. $7.00.

BLUE PETER, OR BLUE TOM THUMB.—One of the earliest and hardiest of the dwarf varieties; blue seed, dark green pods; large Peas of excellent quality; much superior to the White Tom Thumb. **Pt., 15c. Qt., 25c. Peck, $1.50. Bus., $5.00.**

MEDIUM OR SECOND EARLY HALF DWARF, WRINKLED VARIETIES.

ADVANCER.—Height, 2½ feet. A green wrinkled variety, introduced some years ago, and has always given satisfaction.
Qt., 25c. Peck, $1.50. Bus., $5.50.

EVERBEARING.—Vines about 2 feet high, of a branching character, forming as many as 10 stalks from a single root stalk. Peas large and of fine quality.
Qt., 25c. Peck, $1.50. Bus., $5.50.

YORKSHIRE HERO.—Height, 2½ feet. A wrinkled variety; productive, and of very superior flavor.
Qt., 25c. Peck, $1.50. Bus., $5.50.

SHROPSHIRE HERO.—A grand new second early wrinkled Pea, producing long, handsome, well-filled pods in great abundance. Height, 2½ feet. **Pt., 15. Qt., 30. Peck, $1.60. Bus., $5.75.**

ABUNDANCE.—Height, 30 to 36 inches. An excellent half-dwarf, medium early, wrinkled variety, pods 3½ inches long, containing 6 to 8 large Peas of excellent quality.
Qt., 25c. Peck, $1.50. Bus., $5.25.

PRIDE OF THE MARKET.—A medium early dwarf Pea of vigorous habit and very productive. The pods are large, of a medium green color, and contain 7 to 9 peas of fine quality; 1½ feet
Pt., 15c. Qt., 30c. Peck, $1.60. Bus., $6.00

HORSFORD'S MARKET GARDEN.—Height, 2½ feet. A medium early wrinkled variety, highly recommended.
Qt., 25c. Peck, $1.50. Bus., $5.25.

IMPROVED STRATAGEM.—Height, 2½ feet. A large wrinkled, blue Pea, of excellent quality; very long, large, filled pods. More regular in its growth than the ordinary Stratagem, and in every way superior.
Qt., 35c. Peck, $1.75. Bus., $6.50.

DWARF GREEN WRINKLED MARROW.—An excellent new wrinkled variety. Large pods and very productive.
Qt., 30c. Peck $1.60. Bus., $6.00.

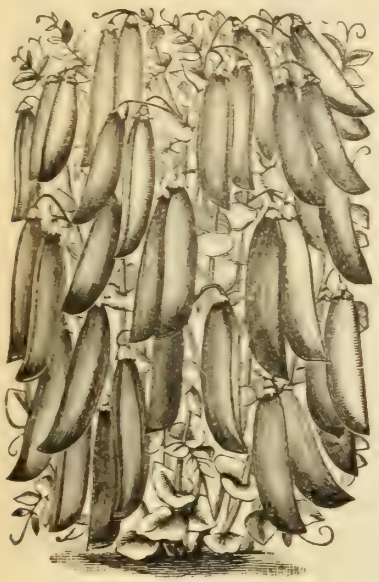
GARDENERS' FAVORITE.

HEIGHT, 30 to 36 inches. A wrinkled variety named and introduced by us, and which is constantly gaining friends; of most delicious flavor, prolific bearer, specially suited for the market garden trade. It is also attracting considerable attention with some of our leading canners, as when packed they find the quality to be superior to any other sort.

Pt., 15. Qt., 30. Pk., $1.60. Bus., $6.00.

PEAS—Continued.

FULL GROWN, MEDIUM AND LATE VARIETIES.



ADMIRAL DEWEY.

Here we have a most excellent, with large, handsome pods; Peas of the highest quality. More dwarf than the Stratagem, and about a week earlier in maturing, regular and uniform in growth; vines stocky, healthy and of vigorous growth; pods long, frequently containing 10 Peas, of tender and delicious flavor. Don't fail to try it.

Pt., 20c. Qt., 35c. Peck, $2.00.

G. & T. CO.'S CANNER'S FAVORITE.—Small green, wrinkled Pea. Sweet, tender of good flavor; pods slightly curved, 3 inches long, height about 30 inches. Very prolific. Specially recommended for canner's use.
Pt., 20c. Qt., 35c. Peck, $2.00.

TELEPHONE.—Height, 3 to 4 feet. Large wrinkled seeds; pods large and well filled.
Pt., 15c. Qt., 30c. Peck, $1.75. Bus., $6.00.

TELEGRAPH, OR LONG ISLAND MAMMOTH.—Resembles the Telephone in every respect, except they are a deeper shade of green. Pods are very attractive in appearance.
Pt., 15c. Qt., 30c. Peck, $1.75. Bus., $6.00.

CHAMPION OF ENGLAND.—Height, 4 feet. An old favorite, rich flavored and very productive.
Pt., 15c. Qt., 30c. Peck, $1.50. Bus., $5.00.

FORTY FOLD.—An improvement on the Champion of England.
Pt., 15c. Qt., 30c. Peck, $1.50. Bus., $5.25.

FRENCH CANNER.—Height, 3½ feet. The Celebrated Pea used in France by the canners. It is wonderfully prolific, bearing an abundance of long pods, containing seven to nine Peas of excellent flavor.
Pt., 15c. Qt., 25c. Peck, $1.00. Bus., $3.50.

SUGAR MARROWS.—Height, 3½ feet. Grows a strong vine, bears in abundance large, filled pods. The truckers' favorite.
Pt., 20c. Qt., 35c. Peck, $2.00. Bus., $7.00.

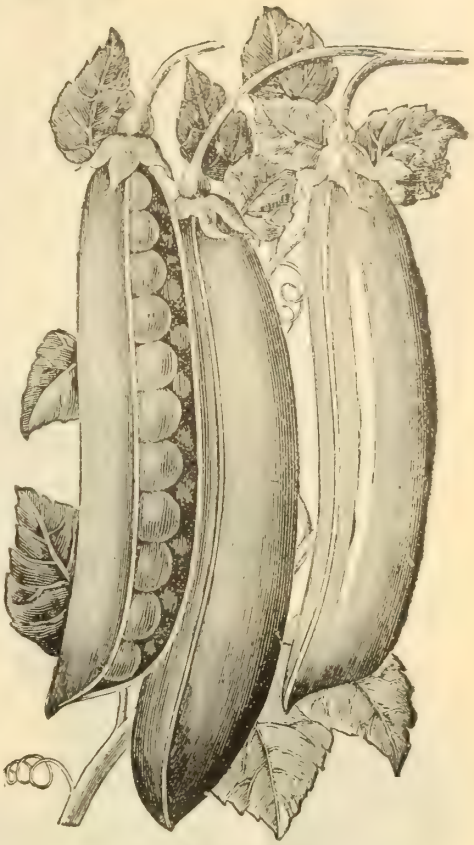
EDIBLE PODDED OR SUGAR PEAS.

MELTING SUGAR—Edible Pods.

THIS variety is ahead of all other Sugar Peas, not only in size of pod and prolific bearing, but also for its delicious flavor. It grows to the height of 5 feet, bears a profusion of very large, broad, handsome light green pods, and are so brittle that they snap without any strings.
Pt., 20c. Qt., 35c. Peck, $2.00.

TALL GRAY SUGAR.—Edible pods; cooked in the pods same as Snap Beans.
Pt., 20c. Qt., 35c. Peck, $2.00.

DWARF GRAY SUGAR.—Edible pods; quite a favorite. **Pt., 20c. Qt., 35c.**



HEROINE PEA.

A medium early, green, wrinkled Pea, and one of the best of recent introduction; large, curved, showy pods; an immense cropper; Peas of finest quality. Height, 2 to 2½ feet.
Pt., 15c. Qt., 30c. Peck, $1.65. Bus., $5.75.

PUMPKIN.

PLANT in May, in hills 8 feet apart. Allot 10 seeds to each hill, as bugs often destroy the young plants, but only allow 2 to 3 healthy plants to remain in each hill. They are usually planted in fields with Corn or Potatoes.

G. & T. CO.'S MARYLAND SWEET POTATO.

G. & T. CO.'S MARYLAND SWEET POTATO.

THIS is the best table Pumpkin in cultivation. In shape and size it somewhat resembles the Cashaw, but much more beautiful in color, being a handsome green and white stripe. The flesh is a rich yellow color, solid, fine-grained, very thick, flavor delicious.
Pkt., 5c. Oz., 15c. 1/4 Lb., 25c. Lb., 75c.

LARGE CHEESE.—Skin, reddish orange; flesh thick, fine and sweet.
Pkt., 5c. Oz., 10c. 1/4 Lb., 15c. Lb., 40c.

TENNESSEE SWEET POTATO.—A splendid pie and cooking Pumpkin. They grow pear-shaped of medium size, slightly ribbed; skin is creamy white, lightly striped with green; flesh very thick, creamy white, dry and fine grained, keeping well until late in the spring. When cooked resembles Sweet Potatoes, but much more delicious in taste.
Pkt., 5c. Oz., 15c. 1/4 Lb., 25c. Lb., 75c.

CONNECTICUT FIELD.—Very productive and grown for feeding stock. It is so well known that it does not need description.
Qt., 15c. Lb., 30c. 5 Lbs., $1.25.

YELLOW CASHAW, OR CROOKNECK.—Solid flesh, fine and sweet; keeps well.
Pkt., 5c. Oz., 10c. 1/4 Lb., 20c. Lb., 60c.

RADISHES

LONG BLACK SPANISH.—A large winter variety; one of the hardiest, with dark green leaves, firm in texture; keeping until spring.
Pkt., 5c. Oz., 10c. 1/4 Lb. 20c. Lb. 50c.

LARGE WHITE SPANISH, Winter. Fine keeping quality.
Pkt., 5c. Oz., 10c. 1/4 Lb. 20c. Lb. 50c.

ROUND WHITE SPANISH.—A good fall or winter variety.
Pkt., 5c. Oz., 10c. 1/4 Lb., 20c. Lb., 50.

SPANISH RADISH.

ROUND BLACK SPANISH.—A fine globe-shaped Radish, very popular with the Germans, known as Rettig; good quality.
Pkt., 5c. Oz., 10c. 1/4 Lb., 20c. Lb., 50c.

SCARLET OLIVE-SHAPED RADISH.—A showy half long variety of pretty shape and bunches beautifully.
Pkt., 5c. Oz., 10c. 1/4 Lb., 20c. Lb., 50c.

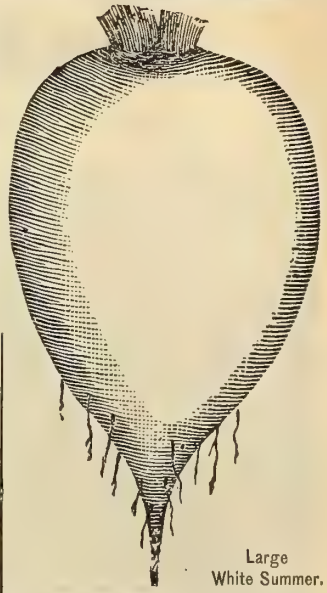
RADISHES.—Continued.

FOR an early supply sow in hot-bed in February. For a successive supply sow from middle of March to September. Radishes thrive best in light, rich, sandy loam. The radish must make a rapid growth to be fit for use; it will then be crisp and tender and of a mild flavor. If it grows slowly it will be hard, fibrous and disagreeably pungent.

WHITE DELICACY.—This excellent Radish, introduced by us last year, has proved itself all that has been claimed for it. It has become a great favorite with the truckers and market gardeners around Baltimore. Succulent, crisp, delicate, smooth and clean. Among the earliest spring varieties; an improvement on the White Strasburg, which it resembles, being more evenly shaped and smaller-topped; grows into full size and perfection during the hottest months. **Pkt., 5c. Oz., 10c. 1-4 lb., 15c. Lb., 50c.**

LARGE WHITE SUMMER, The Great Summer Radish.—This is the most popular white Radish for summer use with the gardeners around Baltimore, because of its handsome appearance and ready sale, and its well-known quality of being slow to run to seed.
Pkt., 5c. Oz., 10c. 1-4 lb., 15c. Lb., 35c. 5 lbs., $1.50.

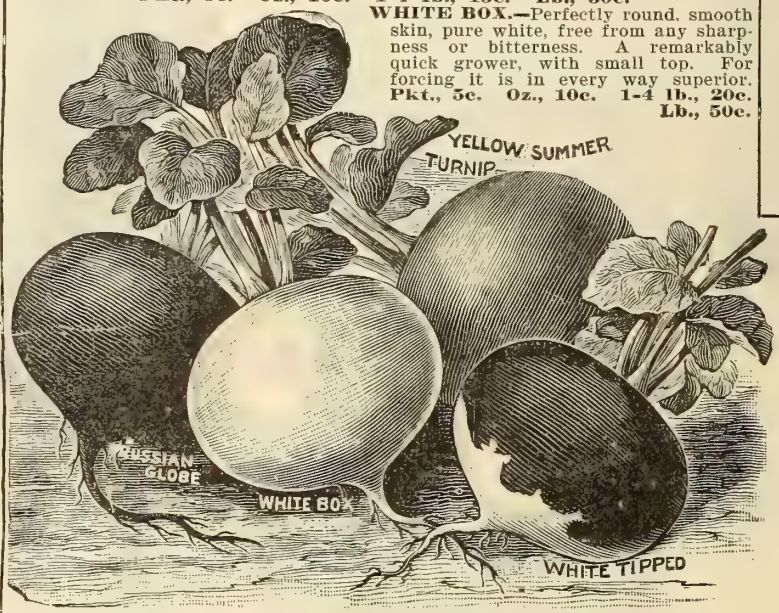
White Delicacy.



Large White Summer.

GOLDEN GLOBE.—An excellent summer Radish. Slow to run to seed; shape globular, bright yellow color, and mild flavor.
Pkt., 5c. Oz., 10c. 1-4 lb., 15c. Lb., 50c.

WHITE BOX.—Perfectly round, smooth skin, pure white, free from any sharpness or bitterness. A remarkably quick grower, with small top. For forcing it is in every way superior.
Pkt., 5c. Oz., 10c. 1-4 lb., 20c. Lb., 50c.



EARLY WHITE TIPPED SCARLET.—An excellent variety for forcing, with very short leaves; bright scarlet in color, with a white tip. **Pkt. 5c. Oz. 10c. 1-4 lb. 15c. Lb. 50c.**

EARLY SCARLET TURNIP.—Turnip shaped, skin red; for forcing. **Pkt., 5c. 1-4 lb., 15c. Lb., 50c.**

FRENCH BREAKFAST.—Of Oval form; color scarlet, white tipped. **Pkt., 5c. Oz. 10c. 1-4 lb., 15c. Lb. 50c.**

EARLIEST WHITE TURNIP.—For forcing. This and the Red Turnip bunch together very nicely. **Pkt., 5c. Oz., 10c. 1-4 lb., 15c. Lb., 50c.**

TRIUMPH RADISH—Striped, Red and White.—This is a beautiful and odd Radish, which, when mixed in the bunch with Scarlet Radishes, makes a pleasant contrast. The Radishes are globe shape and strikingly handsome, having bright scarlet stripes on a white ground. It is a splendid forcing variety, with short top, small leaves, and matures quickly. It is very ornamental for table use. **Pkt. 10c. Oz., 15c. 1-4 lb., 50c.**

EARLY SCARLET, or PRUSSIAN GLOBE RADISH.—This is the very best forcing variety; is sown largely by market gardeners and truckers, and they are delighted with it. It is of globular shape and brilliant, beautiful crimson color, short top, and will stand a large amount of heat without becoming pithy.
Pkt. 5c. Oz. 10c. 1-4 lb. 20c. Lb. 50c.

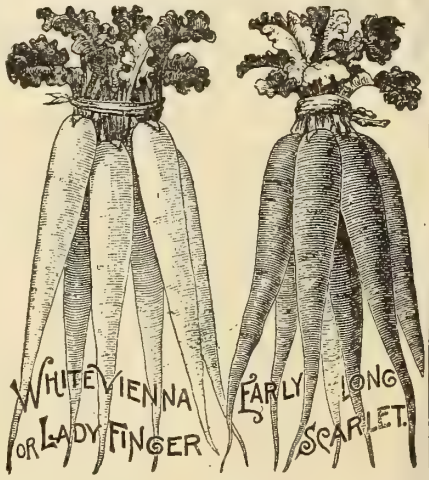
WHITE STRASBURG.—This is becoming one of the most popular summer sorts; it is of handsome tapering shape, skin pure white; very tender. **Pkt., 5c. Oz., 10c. 1-4 lb., 20c. Lb., 50c.**

CHINESE ROSE WINTER.—Remarkably fine for winter use. The best of the winter sorts. **Pkt., 5c. Oz., 10c. 1-4 lb., 20c. Lb., 50c.**

WHITE CHINESE WINTER, or CELESTIAL.—An excellent white winter Radish; a good keeper.
Pkt., 5c. Oz., 10c. 1-4 lb., 20c. Lb., 65c.

GIANT STUTTGART.—A splendid new variety, of excellent quality; withstands summer heat.
Pkt., 5c. Oz., 10c. 1-4 lb., 20c. Lb., 50c.

CINCINNATI MARKET NEW GLASS RADISH.—Pkt., 5c. Oz., 10c. 1-4 lb., 15c. Lb., 35c.



WHITE VIENNA, or LADY FINGER.—This is unquestionably the finest long white Radish. Of most handsome shape; color a beautiful snow white. It is of very rapid growth, and remarkably crisp, brittle and tender, equally desirable for the market or home garden. **Pkt. 5c. Oz. 10c. 1-4 lb., 20c Lb. 50c.**

LONG SCARLET.—(American Grown).—Very attractive and sells readily. Owing to its handsome shape, brilliant color and fine qualities, it commands a higher price and more ready sale than the imported Long Scarlet, as generally sold.
Pkt. 5c. Oz. 10c. 1-4 lb. 15c. Lb. 45c. 5 Lbs. 1.75

CHARTIER.—A good variety for private or market garden purposes. Stands long before going to seed, and is tender and crisp.
Pkt. 5c. Oz. 10c. 1-4 lb. 20c. Lb. 50c.

SALSIFY

Or VEGETABLE OYSTER.

SOW in early spring in light, rich soil in drills fourteen inches apart and thin the plants to six inches in the row. The roots will be ready for use in October, and will sustain no injury by being left in the ground during the winter.

SANDWICH ISLAND MAMMOTH.—This new Salsify grows fully twice the size of the old sort, and is superior in quality. Invaluable to market gardeners. **Pkt. 5c. Oz. 10c. 1-4 lb. 30c. Lb. $1.00.**

LARGE WHITE.—The old well-known variety. **Pkt. 5c. and 10c. 1-4 lb. 30c. Lb. 90c.**

RHUBARB, —OR— PIE PLANT.

SOW in April in drills one inch deep and one foot apart. When plants are large enough, thin to ten inches apart, and cultivate. In the fall or following spring, transplant into deep, rich soil three feet apart each way.

Pkt. 10c. Oz. 15c. 1-4 lb. 40c. Lb. $1.50.

Owing to failure of crops in the seed-growing sections, all prices of seeds are subject to change without notice.

SPINACH.

THIIS is quite an important crop with market gardeners, and one easily managed.

For summer use, sow early in spring, in drills eight inches to one foot apart, covering the seed one inch deep. Select rich soil and manure liberally. A succession may be obtained by sowing at intervals of two weeks through the season. For very early spring use sow in August, and protect the plants through the winter by a thick covering of clean straw or some similar light covering. Spinach is used principally as greens for boiling, and is very highly esteemed for this purpose.

LARGE ROUND-LEAVED VIROFLAY.—A new sort, with very large, thick leaves.
Pkt. 5c. 1-4 lb. 10c. Lb. 20c.

LONG STANDING.—Best for spring sowing, as it is very slow to seed. The leaves are large, round, unusually thick, curled and of dark green color.
Pkt. 5c. 1-4 lb. 10c. Lb. 20c. 5 lbs. 75c.

CURLED SAVOY, or BLOOMSDALE.—The leaves are fine, curled, large, thick and heavy, and are produced in great numbers.
Pkt. 5c. 1-4 lb. 10c. Lb. 20c. 5 lbs. 75c.

G. T. & CO.'S EXTRA CURLED AMERICAN GROWN SAVOY SPINACH.—This is grown specially for us, and is without exception the best type of Savoy Spinach in existence. It is beautifully curled and wrinkled, the leaves large, thick and heavy, produced in great numbers, and stands handling and transportation better than any other sort; in fact, we hardly think we could say too much about this valuable acquisition to the spinach family. Sold only in sealed bags.
Pkt. 5c. 1-4 lb. 10c. Lb. 20c. 5 lbs. 75c.

VICTORIA SPINACH.—This new spinach comes to us with the highest recommendations from the growers. The foliage is heavy, the broad, dark green leaves being of the true Savoy appearance, and of the finest quality, but the most remarkable feature that will make it of special value, both for market and family gardens is the fact that it is in prime condition from two weeks to three weeks after all other varieties of spinach have run to seed.
Pkt. 5c. 1-4 lb. 10c. Lb. 20c.

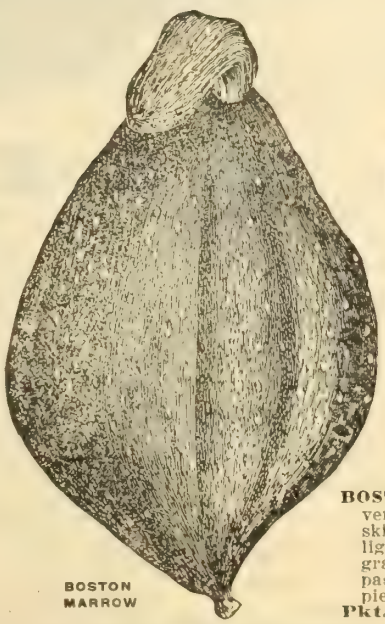
WRITE FOR SPECIAL PRICES IN QUANTITIES.

SQUASH.

THE Squashes are all quite tender, and therefore no progress can be made in starting them until the weather becomes somewhat warm and settled. Plant in hills five feet apart each way for the bush varieties, and eight feet for the running varieties; put eight seeds to the hill, but don't allow over three to stand.

EARLY WHITE BUSH SCALLOP.—A desirable and marketable sort. Best known and most productive of all the summer sorts.
Pkt. 5c. Oz., 10c. 1-4 25c. Lb., 75c.

EARLY YELLOW BUSH SCALLOP.—An early, flat scallop shaped variety; color yellow, flesh pale yellow and well flavored, very productive; used when young and tender.
Pkt. 5c. Oz., 10c. 1-4 25c. Lb., 75c.



BOSTON MARROW

SUMMER CROOK NECK (Early).—Fine flavor; a desirable table sort. **Pkt., 5c. Oz., 10c. 1-4 lb., 25c. Lb., 75c.**

WINTER CROOK NECK.—Flesh red, fine flavor; largely grown for winter use. **Pkt., 5c. Oz., 10c. 1-4 lb., 25c. Lb., 75c.**

HUBBARD.—Fine and desirable for winter use. **Pkt., 5c. Oz., 10c. 1-4 lb., 35c. Lb., $1.25.**

BOSTON MARROW.—A fall and winter variety, very popular in the Boston market. Of oval form, skin thin, when ripe, bright orange mottled with light cream color, flesh rich salmon yellow, fine grained, and for sweetness and excellence unsurpassed, but not as dry as the Hubbard. Fine for pies or baking.
Pkt., 5c. Oz., 10c. 1-4 lb., 25c. Lb., 75c.

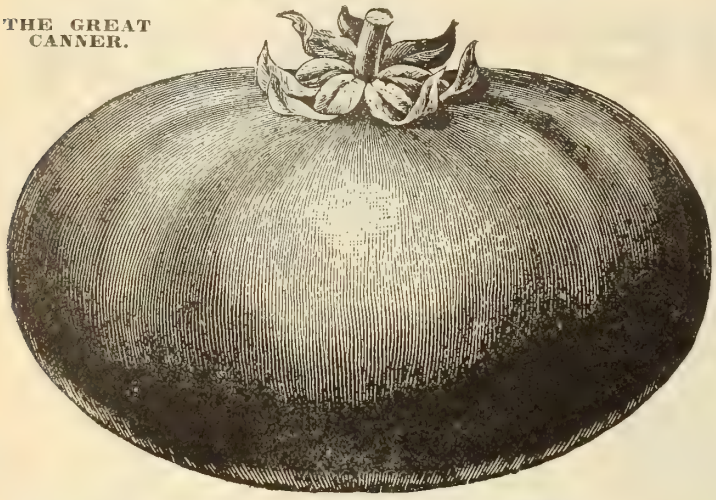
GRIFFITH & TURNER CO

TOMATO

GRIFFITH & TURNER CO.'S WORLD'S FAIR TOMATO

Get the Genuine in our Sealed Packages.

THE GREAT CANNER.



THE SIX GREAT POINTS OF THIS GREAT CANNER.

Solidity, Symmetry, Handsome, Bright Red, Ripens Uniform, Free From Rot.

See what this gentleman says:

"Florida, Jan. 10th, 1902.

"Messrs. Griffith & Turner Co.

"Your Tomato Seed was recommended to me by J. S. Andrew, who had it last year, and it was as fine as I ever saw.

"JOHN W. WALKER."

The gentleman who superintended the growing of this seed for us says: "I desire to call especial attention to this stock; it is particularly solid and of fine flavor, the fruit is good size, smooth and certainly attractive. I venture to say without fear of contradiction that your Tomato will bear off the palm for quality and flavor in the hands of impartial judges. Parties around here who saw some of the fruit said they had never seen any better Tomato." We could get any number of testimonials to bear us out in all we say about this excellent Tomato."

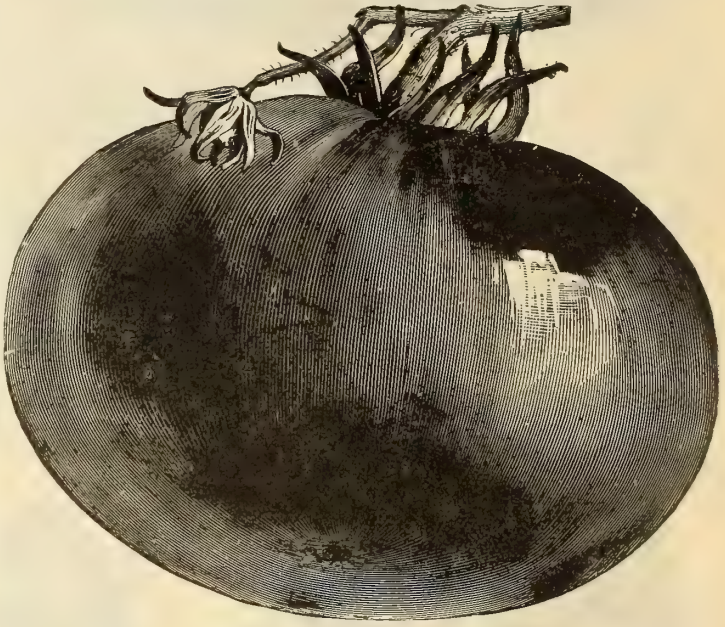
Pkts., 5c. and 10c. Oz., 20c. 1/4 Lb., 60. Lb., $2.00.

NOTICE.—Because of the well-known superior quality of this Splendid Tomato, and the increasing demand for the seed, other parties are cataloging a Tomato under the same name. In order to protect those who want the pure article WE GIVE NOTICE that we shall only sell the WORLD'S FAIR TOMATO in sealed packages.

BEWARE OF CHEAP TOMATO SEEDS, saved in canning houses, as it is sure to be a mixture of different sorts. We take special care in growing our Tomato Seeds. We have the seed stocks selected carefully each year, and the crops are inspected by us during the period of growth and maturity of fruit, and we are thus prepared to offer our customers Seed of the first quality.

FOR Early Fruit sow the seed in March or April, in the hot-bed or in pots in a sunny exposure in the house. When the plants are about three or four inches high they should be set out four or five inches apart in another hot-bed or cold-frame, or removed into small pots, allowing a single plant to a pot. Expose to the air as much as possible to harden, and about the middle of May set the plants in the open ground, at a distance of four or five feet each way. Water freely at the time of transplanting, and shelter from the sun for a few days until the plants are established. Sufficient plants for a small garden may be had by sowing a few seeds in a shallow box or flower pot, and placing in a sunny window in the house. Cultivate thoroughly as long as the vines will permit.

Tomatoes will admit of training to stakes or trellis of various kinds, and the fruit is very much improved both in appearance and quality. This mode of cultivation is now quite common among gardeners who grow for early market. The usual method is to set one strong plant to a stake, using stakes five to seven feet in height, tying the plant up with wool or other strong, soft twine, pruning out quite freely as the vines advance in growth. By adopting this method the plants may be set much closer than in the ordinary way.



SPARKS' EARLIANA.—The earliest, bright red Tomato; very large; smooth; color bright red; solid and excellent for slicing
Pkts., 5c. and 10c. Oz., 50c. 1/4 lb., $1.50. Lb., $5.00.

ATLANTIC PRIZE (Select Stock).—An excellent extra early red Tomato, and while it does not run as regularly smooth as the Paragon, it ripens very evenly.
Packets, 5c. and 10c. Oz., 20c. 1/4 Lb., 60c. Lb.,$2.00.

FREEDOM.—The new early; no better extra early grown; remarkably prolific; continual bearer; brilliant scarlet; smooth and round. A great point in this Tomato lies in the fact that enormous quantities of the fruit can be gathered while other early varieties are ripening a few. Remarkably solid; few seeds; and free from acidity.
Packet, 5c. and 10c. Oz., 20c. 1-4 Lb., 60c. Lb., $2.00.

PRIZEWINNER.—Early; prince of market Tomatoes; color resembles Beauty, but larger; solid; one of the best keepers and shippers; smooth; well adapted for late crop. Packet, 10. Oz., 20. 1/4 Lb., 50. Lb., $1.75.

PONDEROSA.—Remarkable for size; fruits heavy; deep red; flesh thick, solid and fine quality.
Packet, 10c. Oz., 35c. 1/4 Lb., $1.00.

IMPERIAL.—Beautiful, symmetrical, meaty; very early.
Packet, 10c. Oz., 20c. 1/4 Lb., 40c. Lb., $1.50.

CRIMSON CUSHION.—Resembles Ponderosa in shape and size; color deep red.
Packet, 10c. Oz., 35c. 1/4 Lb., $1.00.

B. B. TOMATO

BRINTON'S BEST.—We have secured headquarters' stock of this excellent and popular new variety; it is one of the leading sorts for second early and late use; the fruit is large, handsome, and a splendid keeper. A great favorite with canners and truckers.
Packets, 5c. and 10c. Oz., 20c. 1/4 Lb., 50c. Lb., $1.75.

MAGNUM.—A fine medium crop variety; has Acme color, heavy, solid; fruit is set in cluster; heavy cropper and very robust.
Packets, 5c. and 10c. Oz., 20c. 1-4 Lb., 75c.

DWARF CHAMPION.—Dwarf, upright growth; smooth purple fruit. Pkts, 5c. and 10c. Oz., 30c. 1/4 Lb., 85c.

PRIZETAKER.—Early; large; handsome; deep crimson; slight tinge of purple.
Packets, 5c. and 10c. Oz., 20c. 1-4 Lb., 60c. Lb., $2.00.

FAVORITE.—Bright red, smooth Tomato of good size.
Packets, 5c. and 10c. Oz., 20c. 1/4 Lb., 50c. Lb., $1.75.

PARAGON.—Well-known standard bright red Tomato.
Packets, 5c. and 10c. Oz., 20c. 1/4 Lb., 50c. Lb., $1.75.

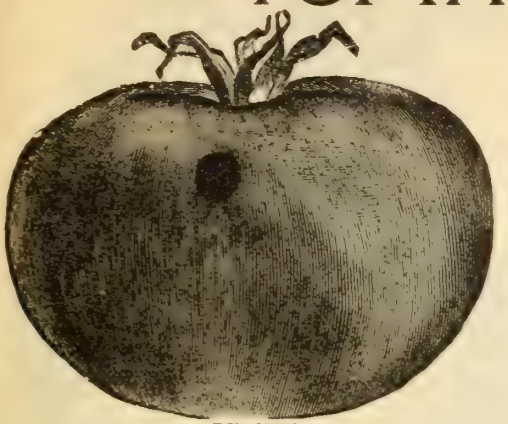
ROYAL RED—New; resembles Favorite in form and color; good main crop variety.
Pkts., 5c. and 10c. Oz., 20c. 1/4 Lb., 50c. Lb., $1.75.

ACME.—Early; medium; pink-purplish; slightly oval.
Packets, 5c. and 10c. Oz., 20c. 1/4 Lb., 50c. Lb., $1.75.

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE.

GRIFFITH & TURNER CO

TOMATOES—CONTINUED.



BEAUTY.

FOR EARLY MARKET and shipping this cannot be excelled, because of its solidity and toughness of skin. Color is a rich, glossy crimson, with a slight tinge of purple. It is well known and very largely used by our gardeners.

Pkts., 5c. and 10c. Oz., 20c. 1-4 lb., 50c. Lb., $1.85

LORRILARD.—Best for greenhouse forcing; bright glossy red; very smooth. **Pkt., 10c.**

Owing to the failure of crops in the seed-growing sections, all vegetable seed prices are subject to change without notice

STONE.

THE NEW STONE TOMATO.—Ripens for main crop; is very large and of bright scarlet color, very smooth, with occasionally a specimen very slightly octagon-shaped, ripening evenly to the stem without a crack; exceedingly solid and firm-fleshed (as its name indicates). It is an excellent shipper; fine for canning; a good keeper; not subject to rot.

Pkts., 5c. and 10c. Oz., 20c. 1-4 lb., 50c. Lb., $1.75.

THANKFUL FOR FINE CROP.

I am **thankful** for the fine crop of vegetables that I grew from your reliable seeds, which causes me to send for more.

WILLIAM CONRAD, W. Va.

GOLDEN QUEEN, or SUNRISE.—Pkts., 5c. and 10c. Oz., 25c. 1-4 lb., 75

PEAR-SHAPED RED.—Pkts., 5c. and 10c. Oz., 25c. 1-4 lb., 75c.

PEAR-SHAPED YELLOW.—Used for preserves and pickles.

Pkts., 5c. and 10c. Oz., 25c. 1-4 lb., 75c.

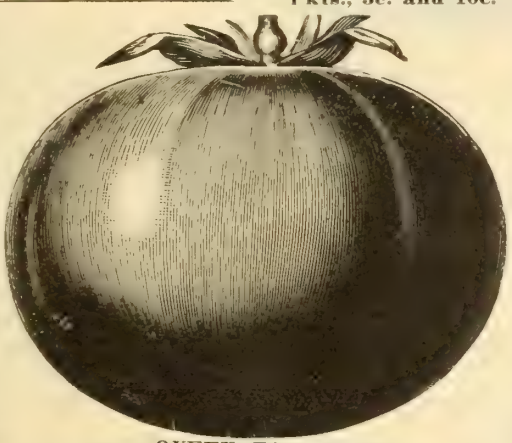
YELLOW PLUM.—Color bright yellow; excellent for preserving.

Pkt. 5c. Oz., 25c. 1-4 lb., 75c.

A PLEASURE TO RECOMMEND THEM.

I like your seeds very much, and it gives me **great pleasure to recommend them.**

Miss BETTIE HANSBROUGH,
Maryland.



QUEEN TOMATO.

Fruit somewhat resembles Paragon in appearance. This sort is well known and a favorite among canners, but it is not as deep red in color nor as weighty and solid as our World's Fair.

Pkts., 5c. and 10c. Oz., 20c. 1-4 lb., 50c. Lb., $1.75.

TOBACCO.

WHITE BURLEY.—Especially desirable for the manufacture of cigars, as the leaf of this kind readily absorbs a large quantity of manufacturing material.

Pkt., 10c. Oz., 30c. 1/4 Lb., 90c. Lb., $3.00.

CONNECTICUT SEED LEAF.—An old well-known variety, best adapted to the Middle States.

Pkt., 10c. Oz., 20c. 1/4 Lb., 60c. Lb., $2.00.

HAVANA.—Grown from seed imported from the district of Vuelta de Abajo.

Pkt., 10c. Oz., 35c. 1/4 Lb., $1.00.

MARYLAND.—Pkt., 10c. Oz., 25c. Lb., $3.00.

THE FINEST SEED I EVER SAW.

The Tomato Seed I got of you last spring was the **finest I ever saw.** I got you several orders, and think I will get you more this season. I shall want as much as ten pounds of Tomato Seed later. R. T. WHITE.
September 17. Florida.

MARJORAM.

SWEET, POT AND MEDICINAL HERBS.

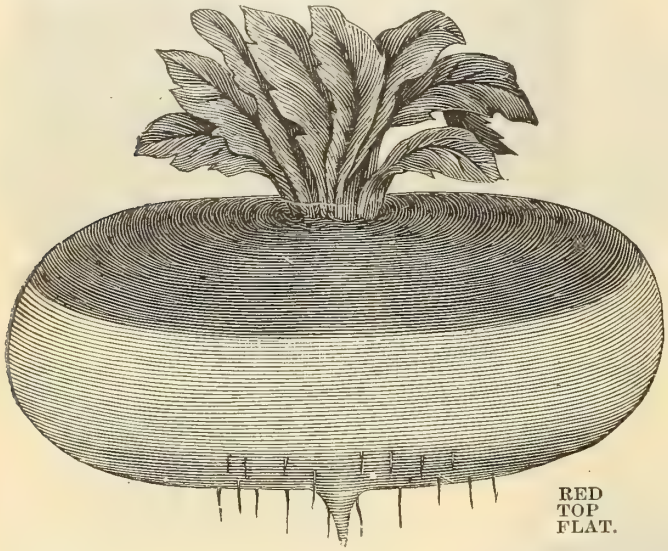
A little collection of Sweet Herbs is a treasure to the cook and nurse. A small place in the garden will give all the herbs needed in any family, and care should be taken to harvest them properly. This should be done on a dry day before they come into full bloom, then dried quickly and packed closely, entirely excluded from the air. Sow in spring in shallow drills, one foot apart, and when well up thin out or transplant to a proper distance.

	Pkts.	Oz.	1/4 Lb.	Lb.
MARJORAM	5c.	15c.	40c.	$1.25
ANISE	5c.	10c.	30c.	....
BASIL	5c., 10c.	15c.	....	....
BENE, used medicinally	5c.	15c.	....	....
BORAGE, excellent for bees	5c.	15c.	40c.	$1.25
CARAWAY	5c.	10c.	25c.	....
CHERVIL	5c.	25c.	....	....
CHICKORY	5c.	10c.	....	....
CORIANDER	5c.	10c.	25c.	75c.
DILL	5c.	10c.	20c.	60c.
LAVENDER	5c.	15c.	....	$1.25
FENNEL (Sweet)	5c.	10c.	25c.	....
ROSEMARY, an aromatic herb	5c.	25c.	....	....
SAGE (American)	5c., 10c.	15c.	40c.	$1.50
SUMMER SAVORY	5c.	10c.	25c.	75c.
THYME (Broad-leaved English)	5c., 10c.	20c.	75c.	....

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE.

TURNIP.

FOR early use, sow the small sorts as soon as the ground can be worked in the spring, in drills fourteen inches apart, the Rutabagas thirty inches. As the seed is very fine, it should be covered but slightly, excepting in very dry weather. Select light, and if possible, new soil, and manure with plaster and ashes, or phosphates. Should the young plants be troubled with insects, a sprinkling of slug shot will be beneficial. For fall and winter use the early kinds should be sown, from the middle of July to the middle of August; and the Rutabagas from the middle of June to the first of July, using from one to one and a half pounds of seed to the acre.



RED TOP FLAT.

EARLY RED TOP FLAT.—Fine, sweet, mild; rapid grower; very early and popular.
Pkt., 5c. 1/4 Lb., 15c. Lb., 35c.

EXTRA EARLY PURPLE TOP MILAN.—The earliest and handsomest Flat Turnip in cultivation; none equal to it for spring sowing.
Pkt., 5c. 1/4 Lb., 20c. Lb., 50c.

WHITE FLAT (Strap Leaf).—Differs from Red Top only in color.
Pkt., 5c. 1/4 Lb., 15c. Lb., 40c.

EARLY WHITE EGG.—A new variety of rapid growth; egg-shaped and white, as its name indicates.
Pkt., 5c. 1/4 Lb., 20c. Lb., 50c.

COW HORN (Large Cropper).—This variety is pure white, excepting a dash of green at the crown, and in shape is long like the carrot.
Oz., 5c. 1/4 Lb., 15c. Lb., 45c.

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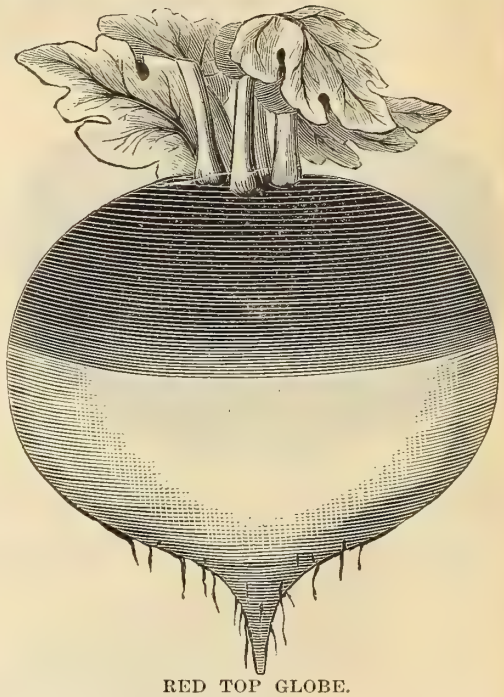


RED TOP GLOBE.

LARGE EARLY RED TOP GLOBE.—A variety of recent introduction. Of large size, rapid growth, unusually attractive. Approved and admired by all who have seen it. A very much heavier producer than either of the Flat varieties and quite as early as the Flat Red Top. Very few market gardeners will have any other kind.
Pkt., 5c. 1/4 Lb., 15c. Lb., 35c.

YELLOW ABERDEEN, or SCOTCH YELLOW.—This is a highly approved CATTLE TURNIP, attaining a large size. It is solid, nutritious, a good keeper, and in every respect reliable.
Pkt., 5c. 1/4 Lb., 10c. Lb., 30c.

LARGE AMBER, or YELLOW GLOBE.—Grows to a large size; flesh yellow, firm and fine grained. Excellent for either table use or feeding stock.
Pkt., 5c. 1/4 Lb., 15c. Lb., 40c.

SEVEN TOP.—For greens and salads. Used largely in the Southern States.
Pkt., 5c. 1/4 Lb., 10c. Lb., 30c.

SOUTHERN PRIZE.—True strain of the favorite Turnip for Greens in Virginia and the Carolinas. Valued also for its bulb.
Oz., 5c. 1/4 Lb., 10c. Lb., 30c.

RUTA BAGAS
OR SWEDES.

THE Swede Turnips, or Rutabagas, grow much larger in size, and are of greater value for stock feeding than ordinary turnips. Every farmer and stock raiser should grow Rutabagas and Stock Beets for winter feeding.

GRIFFITH & TURNER CO.'S IMPROVED PURPLE TOP.

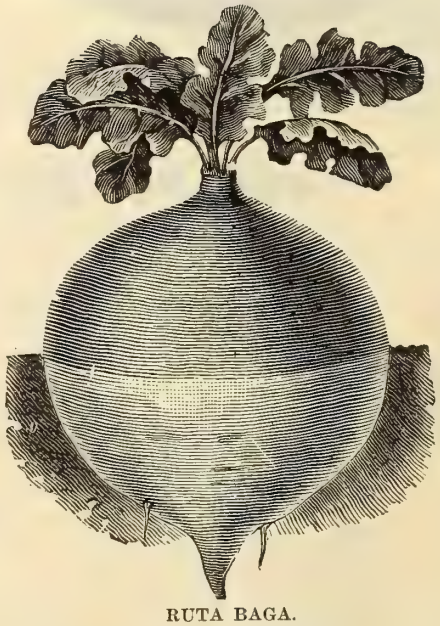
Yellow fleshed. A standard field variety for stock, and fine for family use. This splendid Swede is the hardiest, most productive, and most nutritious variety in cultivation.

Pkt., 5c. 1/4 Lb., 15c. Lb., 35c.

YELLOW RUTABAGA.—1/4 Lb., 10c. Lb., 30c. (If Turnip is wanted by mail, add 10c. per Lb. for postage.)

G. & T. CO.'S WHITE ROCK.—Though sometimes called a turnip, this is more like a rutabaga. The root is large, both skin and flesh very white, and is one of the best varieties we have for table use. An excellent keeper and a desirable sort for market gardeners.

Pkt., 5c. Oz., 10c. 2 Oz., 15c. 1/4 Lb., 20c. Lb., 40c.



RUTA BAGA.

VEGETABLE ROOTS.

ASPARAGUS ROOTS.

A saving of one to two years is effected by planting roots. A bed 12x40 feet, requiring about 100 roots, should give a sufficient supply for an ordinary family; 7,260 roots will plant an acre. Select good, loamy soil, plough deep, put in good quantity of manure and 100 pounds kainit to 1,000 square feet of bed. Incorporate thoroughly, make a trench 8 inches deep, set plants 9 inches apart. In field culture rows are placed 4 feet apart.

Barr's Mammoth.—Per 100, **$1.00.** Per 1000, **$4.50.**

Palmetto.—Per 100, **75c.** Per 1000, **$4.00.**

Colossal.—Per 100, **75c.** Per 1000, **$4.00.**

Mammoth White.—Per 100, **$1.00.** Per 1000, **$5.00.**
Extra size roots, 50c. per 1000 additional to above prices.

ARTICHOKES (Jerusalem).—Pk., $1.00. Bu., $2.50. For further information see page 1.

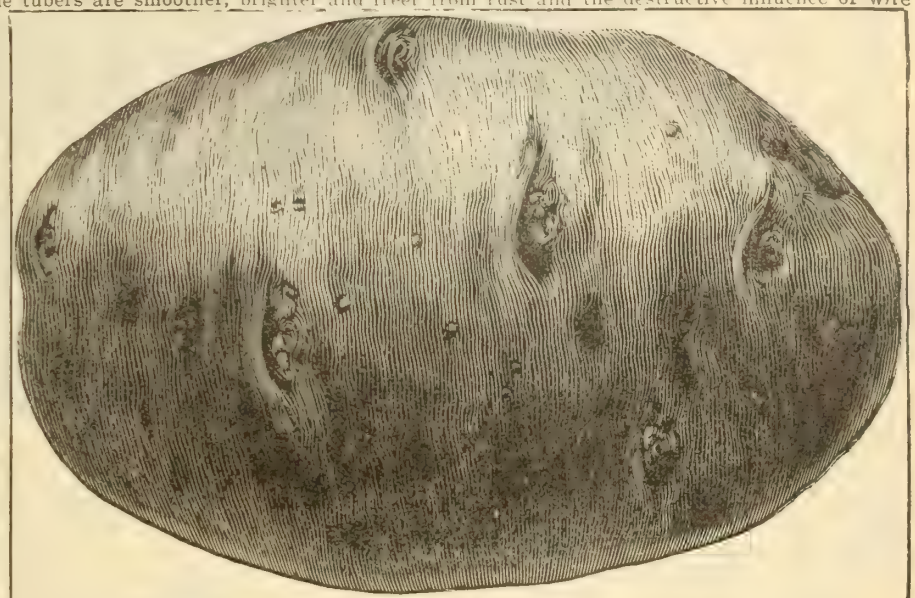
HORSE RADISH ROOTS.—Doz., 20c. Per 100, 75c. Per 1000, $6.00.

RHUBARB ROOTS.—15c. each. Doz., $1.50.

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE.

POTATOES FOR SEED. German, Kartoffel.

THE soil best suited to the Potato is a rich, sandy loam, but it seems to thrive in almost any soil or climate. The Potato being a gross feeder, requires a liberal application of manure. If stable manure is to be used, it should be well rotted, and not allowed to come in contact with the tubers. On no other crop are the results from the use of phosphates so manifest as on the Potato. Almost invariably the tubers are smoother, brighter and freer from rust and the destructive influence of wire worms. **GRIFFITH & TURNER CO.'S Plant Food** is especially adapted for Potatoes, as it promises growth and, at the same time, prevents disease. Plant as early in the spring as the ground can be thoroughly worked in rows 3 to 4 feet apart and 1 foot in the rows, covering in light, warm soil about 4 inches, and in cold, wet ground 3 inches deep; draw the earth to the plants as they advance in growth. If an early crop is desired, sprout the tubers, or cut Potatoes, in a light, warm room, from 4 to 6 weeks before planting; then lift carefully and plant out. By this process sprouts are obtained that, as soon as planted out in the open ground, will send out shoots and grow more rapidly than if treated in the ordinary way. The soil should be constantly stirred through the season to prevent the surface from baking.



"Griffith & Turner Co.'s Extra Early Prize."

G. & T. CO.'S EXTRA EARLY PRIZE.—This Potato is in all respects a very superior early sort. It proved to be the earliest and most productive of any we tried; also found its eating qualities first class. We consider it the best early Potato on the market today.
Peck, 50c. Bus., $1.75. Bbl., $4.50.

BLISS TRIUMPH.—This beautiful variety combines the wonderful productiveness of the Peerless, with all the good qualities of the Early Rose; is much more productive, and matures its crop at least a week in advance of the Early Rose.
Peck, 50c. Bus., $1.75. Bbl., $4.50.

MAINE, OR HOULTON EARLY ROSE.—The Early Rose led the list for over 30 years, and is today one of the best early market Potatoes. Our stock of this is grown on new land, near Houlton, Maine, is rugged and pure, and produces as good crops as those which made the Early Rose famous in its early years. Remember that this stock is not to be confounded with the old run-out Rose, grown in other sections.
Peck, 50c. Bus., $1.50. Bbl., $4.00.

NEW YORK EARLY ROSE.—A leading variety for earliness, quality and productiveness.
Peck, 50c. Bus., $1.50. Bbl., $4.00.

IRISH COBBLER (A New Sort).—Very productive, matures ahead of the Early Ohio. Shape chunky, eyes strong and deeply set, skin netted, flesh white, quality very superior. The writer's attention was called to this variety while on a tour of inspection, and we concluded to place it in our collection. We believe it is something extra. Don't fail to get it.
Peck, 60c. Bus., $1.75. Bbl., $5.00.

EARLY OHIO.—This is very early and productive, of fine quality, and an excellent keeper.
Peck, 50c. Bus., $1.50. Bbl., $4.25.

EARLY NORTHER.—This superb Potato originated at Caribou, Maine. It resembles the Early Rose in shape and color, matures earlier than the Rose, and is much more productive. Under our own observation the past season it yielded more than the Rose, matured earlier, and was in all respects superior.
Peck, 50c. Bus., $1.50. Bbl., $4.00.

RURAL NEW YORKER, No. 2.—A valuable variety of large size, very smooth and a great cropper; in quality unexcelled. This variety is yearly becoming more popular as the best late long keeper, and we recommend it highly.
Peck, 50c. Bus., $1.50. Bbl., $4.00.

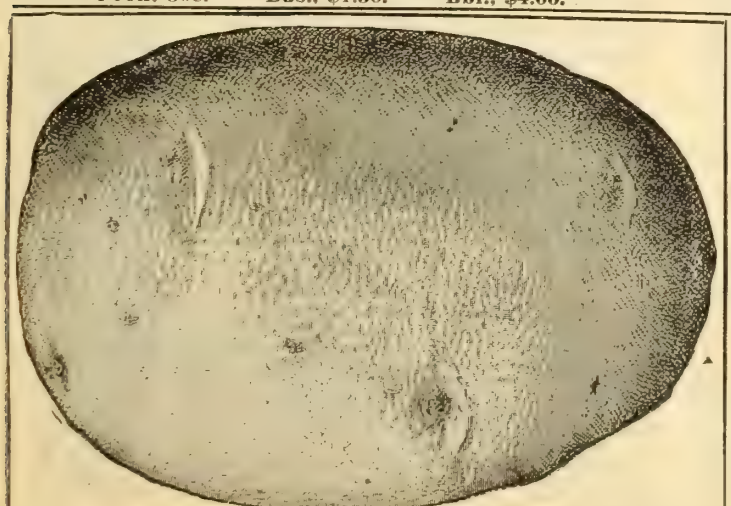
BURBANK.—This is an old and reliable variety, and is A No. 1 for a late, large-yielding, good-keeping Potato, and for table use, after January 1st, is one of the best.
Peck, 50c. Bus., $1.50. Bbl., $4.00.

NEW QUEEN.—A grand Potato of recent introduction, closely resembling Beauty of Hebron in appearance, color, size and shape, but is 7 to 10 days earlier, and a heavy yielder. Our seed of this variety comes from Maine, where it originated, and is pure and true to name.
Peck, 60c. Bus., $1.50. Bbl., $4.25.

PRICES SUBJECT TO MARKET CHANGES.

SWEET POTATOES.

Choice Jersey Sweets at Market Prices During Season. Write Us for Quotations.



Second Crop Seed Potatoes.

THE advantage derived from second seed over first crop is that they do not sprout or shrivel, or lose any of their vigor through the winter, having been checked by frost before maturity; they lie dormant, ready to grow vigorously when planted. They rarely send up more than one sprout; this may divide into several branches; the consequence is all the growth goes into the tubers. They do not form as many to the hill as matured seed, and they grow full marketable size 12 to 15 days earlier than ordinary seed.

The following varieties are grown from second crop seed:

CROWN JEWEL.—This is a seedling of the Early Ohio. Skin white, with a flesh tint; meat white and floury, cooking evenly through. A very early bearer, and its keeping qualities are equal to the best.
Peck, 50c. Bus., $1.50. Bbl., $3.75.

EARLY ROSE.—Peck, 60c. Bus., $1.50. Bbl., $4.00.

EARLY PURITAN.—Pk., 50c. Bus., $1.50. Bbl., $3.75.

Potato crop, prices are all subject to change without notice.

Special prices quoted on application.

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE.

WHITE CORN.

IMPROVED WHITE PROLIFIC.

THIS Corn is specially adapted for strong ground, exceedingly prolific, very showy, large ears, deep grain, slightly wrinkled, frequently grows two ears to the stalk. Produces heavy fodder; decidedly the best paying Corn for strong land.
Peck, 50c. Bus., $1.50. 4 Bus., $5.50.

MARYLAND WHITE.—This is an excellent white Corn, grows good-sized ears, and makes splendid meal. Produces better crops on average land than most any other variety.
Peck, 50c. Bus., $1.50. 4 Bus., $5.50.

BLUNT'S PROLIFIC. — Remarkably prolific, producing from 3 to 5 good-sized ears on a stalk and growing very large fodder; is frequently used for ensilage.
Peck, 50c. Bus., $1.50. 4 Bus., $5.50.

SOUTHERN SNOWFLAKE. — A well-known and very popular Corn through the South. Suitable for meal or feeding purposes; the best white Corn for poor land.
Peck, 50c. Bus., $1.50. 4 Bus., $5.50.

90-DAY CORN (Red Cob).—This is an elegant Corn for truckers and market gardeners, as it is a good seller as green Corn. Is suitable for either early or late crop.
Qt., 10c. Peck, 50c. Bus., $1.50.

HICKORY KING WHITE CORN.—It is of quick, strong growth and very early maturity, producing large ears having eight to ten rows of very large, broad, flat white dent grains, which are closely placed on a very slender cob. It yields fine crops on light soil, and is highly desirable where a pure white Corn is wanted for flour or meal.
Peck, 50c. Bus., $1.75.

WHITE ENSILAGE CORN.
Specially adapted for Ensilage. **Bus., $1.50.**

YELLOW CORN.

IMPROVED MARYLAND YELLOW DENT.

OUR MARYLAND DENT CORN has taken first premium over all other field Corn wherever exhibited. The grains are unusually deep, ears large, stalks grow from 7 to 10 feet high, does not exhaust soil so much, and will stand drought better than a large stalk, and will yield 5 to 10 bushels per acre more than any other Corn generally planted.
Qt., 10c. Peck, 50c. Bus., $1.50.
4 Bus., $5.50.

EARLY LEAMING.—An early selected variety of yellow Corn, small grain, weighty and productive. Highly esteemed in Maryland and Pennsylvania. One of the earliest varieties of yellow Corn in cultivation.
Qt., 10c. Peck, 50c. Bus., $1.50.

GOLDEN BEAUTY.—A large, broad-grained yellow Corn, with ears of perfect shape and very small cob. The richness of color and the quality of the grain make it a very superior variety.
Qt., 10c. Peck, 50c. Bus., $1.50.
4 Bus., $5.50.

CHESTNUT GROVE YELLOW CORN.—This Corn was grown on Chestnut Grove Farm, Baltimore County, and the average yield from the whole crop was eighteen and one-sixteenth barrels to the acre. The ears are large, deep, medium-sized grain, and of beautiful color.
Peck, 50c. Bus., $1.75. 4 Bus., $6.00.

90-DAY YELLOW. — This is an excellent, quick-growing variety. May be planted after peas are taken off, and make a good crop. Largely used by truckers around Baltimore.
Qt., 10c. Peck, 50c. Bus., $1.50.

POP CORN.

The best kind for popping.
Lb., 10c. 4 Lbs., 25c. By mail, 20c. per Lb.

Seed Wheat and Rye.

We can offer choice stocks of Seed Wheat and Rye, re-cleaned, and at reasonable prices. Write us August 1st for special prices for fall sowing.

OATS.

THIRTY-TWO POUNDS TO THE BUSHEL.

CLYDESDALE.—A very early and productive variety of extraordinary weight.
Per Bus. (32 Lbs.), $1.25.

WHITE RUSSIAN.— Per Bus., $1.00.

WELCOME.—An excellent variety, very productive and heavy. **Per Bus. (32 Lbs.), $1.00.**

GOOD SEED OATS.—Unnamed varieties.
At Market Prices.

Winter Turf Oats.

Perfectly hardy in the Southern and Middle States, standing the winter nearly as well as wheat. Yields, on good land, from 50 to 70 bushels to the acre, of fine, heavy grain, weighing from 35 to 40 pounds to the measured bushel. Furnishes excellent fall, winter and early spring grazing, without injury to the grain crop. Write for prices 1st of October.

SEED BUCKWHEAT.

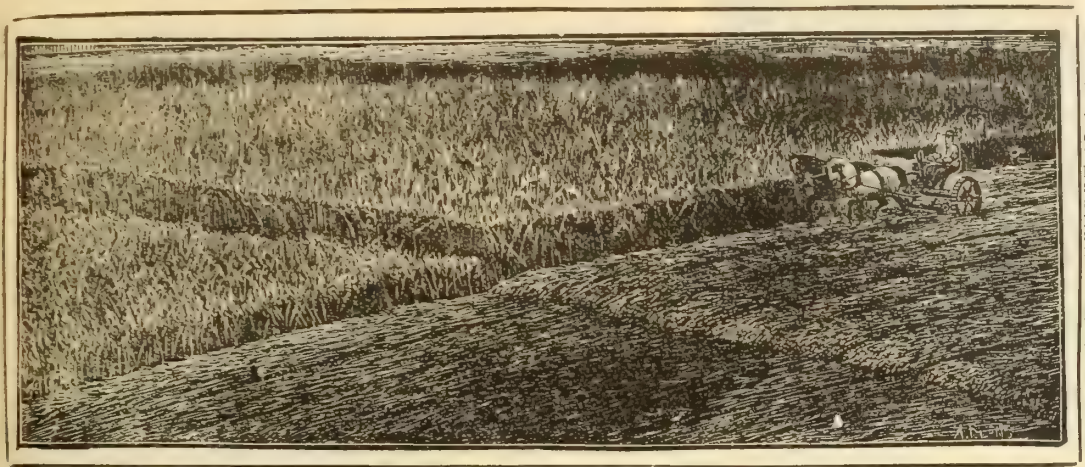
JAPANESE.—The best sort. The plants are large and vigorous, maturing their seed early, and resisting drought and blight remarkably well, while the grain is much larger and at the same time has a thinner hull than the common or the Silver Hull. Owing to its branching character, only one-half the seed is required per acre, while the straw is much stiffer and stands up better. We recommend this especially for well-drained or sandy land, and the dry climate of the Western plains. **$1.25 Per Bushel.**

BARLEY.

MANSHURY SPRING BARLEY.—This is the most productive variety we know, and having grown it ourselves, can recommend it. **By Express or Freight—Peck, 50c. Bus., $1.50.**

NEW BEARDLESS SPRING BARLEY.—The earliest Barley known. If sown about March 20, will ripen about June 28. The straw is about the height of the common Barley, but better, and will stand up on any land. Sow as early as you can; frost does not hurt it. Being beardless, it handles as easy as oats, and makes a stronger feed. **By Express or Freight—Peck, 50c. Bus., $1.50. Bags, 18c.**

OUR SPECIAL GRASS MIXTURE FOR HAY AND PERMANENT PASTURES.



OUR PERMANENT HAY AND PASTURE GRASS

IS prepared especially to meet the demand for a mixture that will be desirable either for cutting for hay or to use for pasture, and contains such grasses as are best adapted for these purposes. In ordering, please state whether you want a mixture for upland or low ground.

MIXTURE FOR UPLAND.—14 pounds to the bushel, 2 bushels to the acre.
Per Bus., $2.50. 10 Bus. for $23.50.

MIXTURE FOR LOWLAND.—14 pounds to the bushel, 2 bushels to the acre.
Per Bus., $2.50, 10 Bus. for $23.50.

GRASS SEED.

CREEPING BENT GRASS (Agrotis Stolonifera).—Excellent for lawns, succeeds well in all conditions, makes a low velvety growth. **Lb., 30c. Bus. (20 Lbs.), $5.00.**

ITALIAN RYE GRASS.—Is an annual and should be sown every year, at the rate of **fifty** pounds per acre. It can be sown during August, September or October. It should be mown as early as the blossoms appear, or the hay will not be so good, and it can be cut every month from early spring if the soil and weather are suitable. **Lb., 12c. 10 Lbs., $1.00.**

ENGLISH RYE GRASS (Lolium Perenne).—This makes a quick growth very early in spring, and is adapted for cool, moist locations. 24 pounds to the bushel; 60 pounds to the acre.
Lb., 15c., Bus. of 24 Lbs., $2.25.

MEADOW FOXTAIL (Alopecurus Pratensis).—Closely resembles Timothy in growth, but has a soft feathery head. It is a valuable pasture grass by reason of its rapid growth. About 7 pounds to the bushel; 3 bushels to the acre.
Lb., 35c., Bus., $2.25.

CRESTED DOG'S TAIL (Cynosurus Cristatus).—Should enter in moderate quantity in permanent pasture mixtures, and in larger quantities for lawns, as it possesses in a marked degree all the desirable features of a good lawn grass.
Lb., 45c. 10 Lbs., $4.00.

MEADOW FESCUE.

MEADOW FESCUE, RANDALL, or ENGLISH BLUE GRASS (Festuca Pratensis). — This should be very much more largely used than at present. It makes a very good hay and pasturage grass, and is particularly valuable for fall and winter pasturage, as it remains green throughout the winter. It is very popular in Southwest Virginia, East Tennessee and the mountainous districts of North Carolina, where it is very highly appreciated as a large-yielding, nutritious pasturage and hay grass. It succeeds well in nearly all sections of the South, and should be very largely used in pasturage and hay mixtures, being specially suitable for sowing with Red Top and Timothy for hay, or with these and Orchard and Tall Meadow Oat for permanent pasturage. Sow either in the spring or fall at the rate of 50 pounds to the acre. Thrives better under trees than other grasses.
Lb., 25c. 100 Lbs., $20.00.

AWNLESS BROME GRASS (Bromus Inermis).—Comparatively a new grass in this country, but in Hungary (Europe), its principal home, it is the chief meadow grass of the sandy moorlands. It grows coarse, resembling Orchard Grass; prefers light, dry soil. It roots deeply, and stands protracted droughts well, and will thrive upon soils too poor and dry to grow anything else but broom sedge, hence is valuable for such situations, both for grazing and hay, and especially in mixtures with other grasses. It has, however, been talked up very much in the agricultural press, especially in the West, and is worthy of extended trial. Sow at the rate of from 35 to 40 pounds per acre, when sown by itself, either in the spring or fall.
Lb., 20c. Bus. of 14 Lbs., $2.25.

KENTUCKY BLUE GRASS.—It is rather sensitive to heat, but not so to cold weather, and on this account does its best in the fall, winter and spring. It grows slowly at first, forms a very compact turf, making a fine pasturage when once established. It is much the best, however, to combine other grasses with it, for either lawn or pasturage. Sow in the spring or fall.
Fancy, triple-cleaned, Bus. (14 Lbs.), $1.75.

NOTICE.—Beware of cheap Canada Blue Grass, as it is full of thistle.

TALL MEADOW OAT GRASS (Avena Elatior).—Most valuable for pastures on account of its early and luxuriant growth; it produces an abundant supply of foliage, which is relished by cattle, early and late. For hay it may be cut twice a year, and for green soiling it may be cut four or five times in favorable seasons. It is very hardy, and withstands extreme drought and heat and cold. Height, 2 to 4 feet. 50 pounds to the acre. (13 pounds to bushel). **Lb., 30c. 100 Lbs., $25.00.**

RED TOP GRASS.

RED TOP, OR HERD'S GRASS (Agrosis Vulgaris). — This grass makes excellent pasturage and good crop of fine quality hay, and succeeds on a greater variety of soils than any other grass in general use, giving very good results on light soils and the very best results on heavier, moist, or low ground soils. It is rather late in starting in the spring, and matures its crop at the same time as Timothy. Is excellently adapted for seeding with Timothy for hay, and furnishes excellent pasturage afterwards. When it gets well established it will gradually supplant other grasses. The grades of the seed usually sold are the grade in the chaff, known as Prime, and the Fancy Clean seed, which is the seed cleaned from the chaff and all impurities. We would strongly advise our customers to sow the Fancy Clean seed in preference to the Prime, or the seed in the chaff, as it will give much better and more satisfactory results. We can also furnish the Choice and Prime Fancy Red Top as usually sold. It requires about 8 to 10 pounds to seed an acre of the Fancy Clean Seed, or 3 to 5 bushels of the Prime.
Red Top in the Chaff, per Bus., 35c. Choice Extra Heavy Seed, per Bus. of 10 Lbs., 75c. Fancy Clean Seed, 15c. Lb. $12.00 per 100.

SHEEP FESCUE (Festuca Ovina).—It is a densely tufted perennial grass for dry, sandy and rocky soil where scarcely any other species will grow. It roots deeply, and forms a dense, short tuft, suitable for lawns and pleasure grounds, where the soil is sandy. It affords wholesome food for all cattle, especially sheep. Specially recommended for pasturage mixtures. Sow about 30 pounds per acre. **Lb. 25c. Bus. of 14 Lbs., $2.50.**

WOOD MEADOW (Poa Nemoralis). — An early nutritive grass; thrives better under trees than other grasses. Is also an excellent pasture grass. **Lb., 50c. 10 Lbs., $4.50.**

RHODE ISLAND BENT GRASS (Agrotis Canina).—A very fine variety for lawns. **Lb., 30c.**

SWEET VERNAL (Anthum Odoratum).—Emits an agreeable odor, which it imparts to the hay. **Lb., 35c.**

Grasses and Clovers.

ORCHARD GRASS.

ORCHARD GRASS.

(Dactylis Glomerata.)

ONE of the best and most reliable grasses for the Middle and Southern States, either for hay or pasturage. It succeeds well on nearly all soils, but does best on upland, loamy or moderately stiff soils. It starts early in the spring and continues well into winter. It is of quick growth and relished by stock, especially when young, and bears close grazing. It makes excellent hay, and gives the very best results mixed and grown with Tall Meadow Oat Grass and Red Clover, as suggested under the head of Tall Meadow Oat Grass. It should be cut when in blossom, as the hay is injured if the seed is allowed to ripen. It can be sown in the spring or fall either with grain or alone. Sow 3 bushels per acre if sown alone, or with Red Clover, one and one-half bushels of Orchard and seven pounds of Clover are the quantities usually sown. Price fluctuates.

Prices on application.

MILLET.

GERMAN, OR GOLDEN MILLET.

AN improved variety, medium early, growing three to five feet high. The heads are closely condensed, though the spikes are very numerous. This is the best and most productive Millet to grow. Weight, per bushel, 50 pounds. Market prices.

HUNGARIAN MILLET (Panicum Germanicum).—Early and productive, growing 2 to 3 feet high, with an abundance of foliage and slender heads. Weight, per bushel of 48 pounds. Market prices.

COMMON MILLET.—Weight, per bushel, 50 pounds.

IMPORTANT.—It does not pay the farmer to buy cheap Grass Seeds, as it is liable to be either old seed, or full of weeds.

TIMOTHY (Phleum Pratense).

This makes one of the most popular, nutritious and salable of hay grasses. It is best adapted for sowing on clay or heavy loams, low lands or in mountainous districts, although it will do well on any good stiff loamy soils, provided moisture is abundant. It does not succeed nearly as well, however, as Orchard, Tall Meadow Oat or Herd's Grass on soils of a sandy or light loamy texture, and is not of as much value for pasturage as other grasses. The stand of Timothy will also be injured if grazed or cut too closely. The yield of hay on good ground is from one and a half to three tons per acre. The best clover to sow with Timothy is either the Sapling or Alsike, as they mature and ripen with Timothy. Market prices.

CLOVER SEED.

RECLEANED RED CLOVER.

WE take great pains to supply an extra quality of Red Clover at a reasonable price. Farmers should not sow a poor quality of Clover Seed. We have, however, cheaper grades for those who wish them.
Market prices.

ALSIKE OR SWEDISH CLOVER.

HARDIEST of all the Clovers, and on rich, moist soils yields an enormous quantity of hay or pasturage. Valuable for sowing with other Clovers or Grasses, as it forms a thick bottom and increases the yield of hay. Sow, either fall or spring, 6 pounds per acre when used alone.

Lb., 18c. By mail, 30c. 6 Lbs., $1.00.

Lucerne or Alfafa Clover.

One of the most valuable among Clovers, resisting drought and remaining green when other sorts are dried up. Sow on rich, moist loam or sandy soil. Prepare the land thoroughly and sow, either fall or spring, 20 pounds to the acre.

Pound	**18c.**
By mail	**28c.**
6 Pounds	**$1.00**

IN QUANTITIES AT MARKET PRICES.

LUCERNE.

FINEST IN THE COUNTRY.

Last June you sent me four bushels of German Millet, and I now have five acres of it. **Everyone says it is the finest in the country.** It is in a low meadow, and the dry weather does not seem to have any effect upon it.

F. A. WELTY,
Emmittsburg, Md.

WHITE SEED.

WHITE DUTCH CLOVER.

Thrives most everywhere. The best to sow with lawn grass and valuable to sow with blue grass for permanent pastures.

Pound	**35c.**
By mail, Pound	**43c.**
10 Pounds	**$3.25**

CRIMSON CLOVER.

SEE PAGE 33.

Grass and Clover Seed Mixtures.

FOR MOWING FOR HAY, BUT CAN BE GRAZED.

MIXTURE No. 1.
For Moist Bottom Land.

Composed of the following Grasses :

Red Top. Meadow Fescue.
Timothy. Red Clover.
Alsike Clover. Kentucky Blue Grass.

Sow 20 pounds to the acre.

Price—$12.00 Per 100 Pounds.

MILLET.

MIXTURE No. 2.
For Light, Dry, Gravelly, or Sandy Soils.

Composed of the following Grasses :

Orchard Grass. Perennial Rye Grass.
Tall Meadow Oat Grass. Hungarian Brome Grass.
Red Clover. Fancy Red Top.
Meadow Fescue.

Sow 35 pounds to the acre.
Price—$13.00 Per 100 Pounds.

MIXTURE No. 3.
For Good Loam Soil.

Composed of the following Grasses :

Meadow Foxtail. Orchard Grass.
Tall Meadow Oat Grass. Perennial Rye Grass.
Meadow Fescue. Kentucky Blue Grass.
Red Clover.

Sow 35 pounds to the acre.
Price—$13.00 Per 100 Pounds.

GRIFFITH & TURNER CO

FORAGE AND SILO SEEDS.

FOR YEARS we have taken special care in the selection of the various sorts of Grass and Clover Seeds for field culture, and in consequence our trade in this line has rapidly increased.

Purity of stock and high germinating quality we consider essential.

As we handle very large quantities of these seeds, we are enabled to supply the best quality at lowest prices.

CRIMSON CLOVER, The Great Nitrogen Gatherer.

THE best crop for Hay, Silage and green manuring—all winter and spring pasturage. For Hay, it must be cut before it comes into full bloom, as otherwise it may cause hair-balls to form in the animal's stomach. It is used on poor and rich land. It is seeded in this country in June, July, August, September and October, and will produce an enormous crop early in the following spring, suitable either for consumption as green food or for hay. Fifteen or twenty pounds should be sown to the acre, according to quality of ground. 10c. per Lb. By mail, 20c. Per 100 Lbs., $6.00.

TEOSINTE.

EARLY AMBER SUGAR CANE.

It grows 10 to 12 feet high and yields large crops of fodder, which is relished by all kinds of stock. It will produce two cuttings during the summer. Culture same as Corn. Sow 3 or 4 quarts per acre broadcast or 1 bushel per acre for hay. Lb., 10c. By mail, 20c. Bus. (56 Lbs.), $2.75.

TEOSINTE—A most valuable and enormous yielding, continuous cutting forage crop. Good to use as green food, and also makes an excellent dry fodder. It branches as many as 50 stalks from one seed. Plant in May or June in rows 3 feet apart by 15 inches; 2 ounces per acre. Oz., 15c. ¼ Lb., 35c. Lb., $1.00.

VELVET BEANS.—We strongly recommend our customers to sow this Bean as a soil-improving crop. It costs much less per acre to seed than most any other forage or soil-improving crop grown, and it makes a larger growth and yield of forage than any other yield of its kind. The possibilities of this Bean as a land-improver, and for producing an enormous yield of forage seem almost unlimited. It has now been thoroughly tested in all of the Southern States. The Beans should be planted in May or June. They are usually planted at the rate of one and a-half pecks to the acre, in drills five feet apart. They soon make a rapid growth, covering the ground with a thick mass of vines. Per Bushel, $2.25.

COW PEAS.—THE GREAT SOIL ENRICHER. MAKES POOR LAND RICH. MAKES GOOD LAND BETTER.

Prices on Application.

BLACK COW PEA.—It is a splendid land improver and most valuable as a forage crop, making an enormous yield of rich, nutritious feed. Sow in May or June at the rate of one bushel per acre for seed, or 2 bushels for soiling.

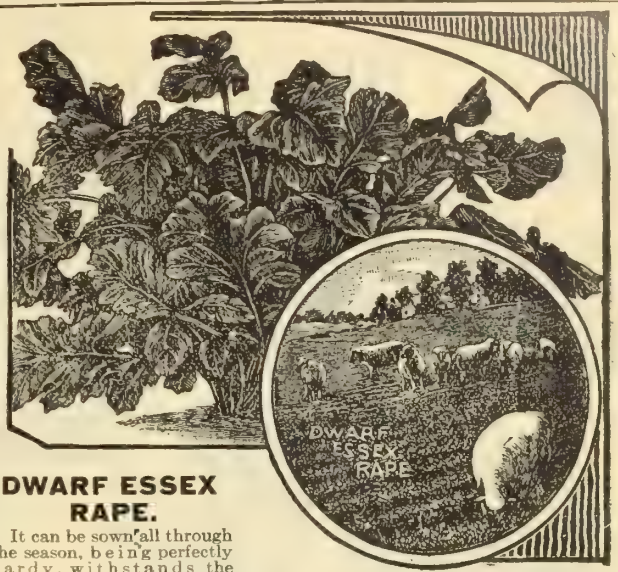
BLACK EYE COW PEA.—The Black Eye Peas are very prolific and bring a good price on our market.

WHIPPOORWILL PEA.—Makes a splendid forage pea. Vines stay green longer than other varieties; pods ripen earlier.

WONDERFUL, OR UNKNOWN.—This makes an enormous and remarkable growth of vines, but requires the full growing season to make its crop. In yield and growth of vines it surpasses any of the varieties of Cow Peas, and it yields very largely of the shelled Peas. This variety should be planted in May in order to come to full maturity.

CANADA FIELD PEAS.—Sown in February, March or April, with a small quantity of oats, they make a large yield of forage. Sow one to one and a-half bushels per acre broadcast with half a bushel of oats. Cut for hay before the Peas mature. Per Peck, 50c. Per Bushel, $1.75. Write for special prices if a quantity is required.

KAFFIR CORN.—The heads contain small white seeds, which make an excellent flour. They are greedily eaten by horses and cattle, and make fine feed for poultry, either fed in the grain or ground and cooked. Use four to five pounds to acre. Lb., 10c. 10 Lbs., 50c. 100 Lbs., $3.00.



DWARF ESSEX RAPE.

It can be sown all through the season, being perfectly hardy, withstands the drought, and will produce a crop in any soil by sowing broadcast at the rate of five pounds to the acre, or in drills or rows two feet apart at the rate of 4 pounds per acre broadcast, 2 to 3 lbs. in drills. It is unequaled as a pasture for sheep, and as a fattening food for all kinds of live stock it is without a rival. Lb., by mail, 20c. By express, 5 Lbs., 50c. $7.00 per 100 Lbs. If wanted by mail add 8c. per pound for postage.

SOJA BEANS.

The Great Drouth-Resisting Forage Crop, unsurpassed in nutritive value for feeding; also makes a splendid soil improver.

THE DRY BEANS, roasted and ground resemble and taste like coffee, hence it has been advertised as German Coffee Berry. Its great value, however, is as a forage crop and for fertilizing the soil and for pasturing or feeding the green fodder.

Sow broadcast one-half bushel to the acre, or it may be planted in drills three feet apart and one foot between plants.

Price on application.

FLAX SEED.

Lb., 10c. 5 Lbs., 45c. Bus., $2.50.

FLAX SEED MEAL

For horses and cattle.
Lb., 10c. 6 Lbs., 25c.
In quantities at market prices.

BROOM CORN.—50 lbs. to Bushel.

To grow Broom Corn successfully, the ground should be rich and well prepared. Plant seeds in rows 3 feet apart by 18 inches. The plants should be cultivated as soon as they are out of the ground. Harvesting should be done when the seed is in a soft, milky condition.

IMPROVED EVERGREEN.—This is the favorite sort; has fine brush, yields well, and keeps green. Height, 8 to 9 feet.

Qt., 20c. Peck, 65c. Bus., $2.00.

VETCHES, OR TARES.

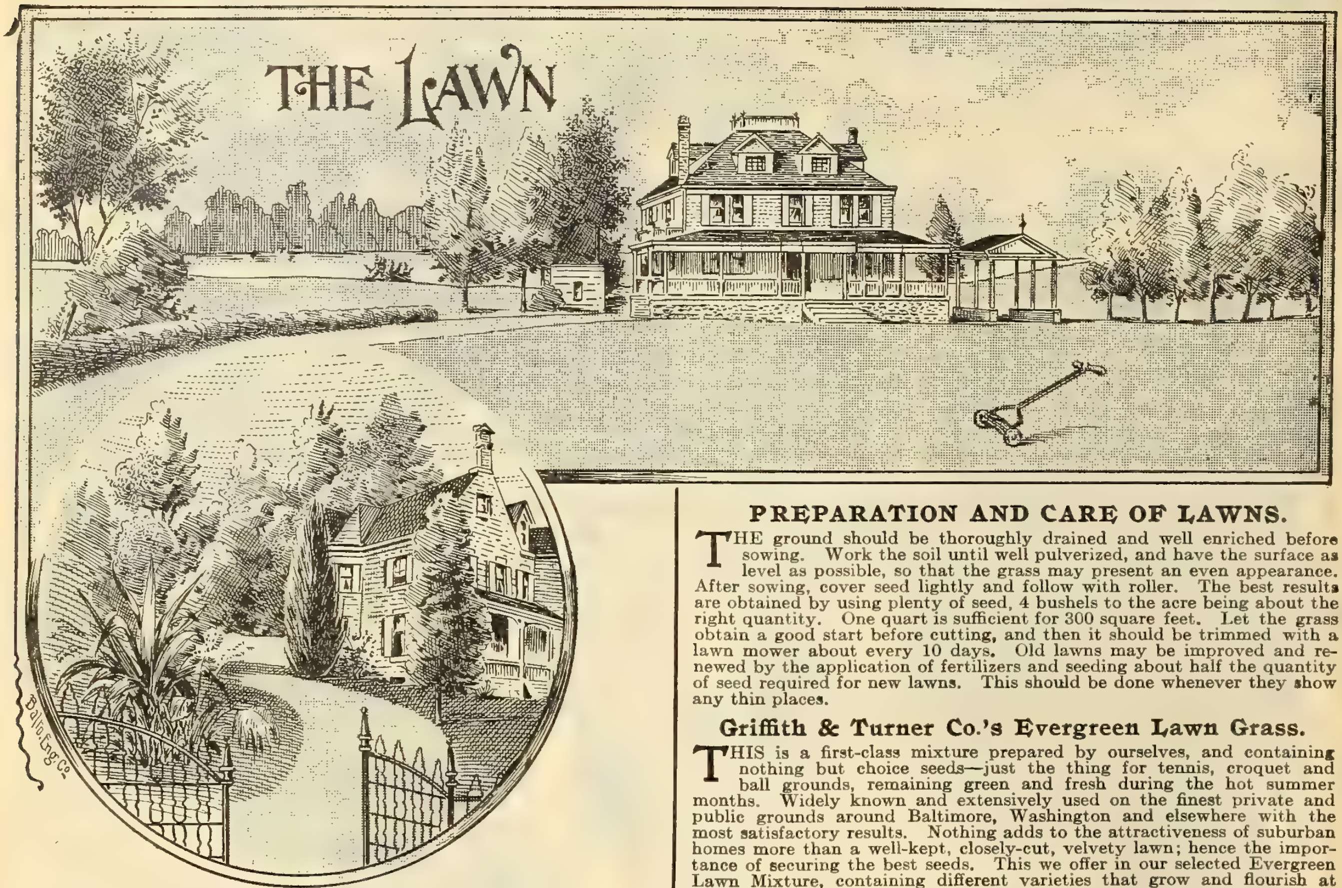
SPRING VETCHES (Vicia Sativa.)—Closely associated with Peas in character. Highly valuable for soiling or for green manuring. Sometimes grown with oats, for mowing and feeding to stock. Use two to three bushels to the acre. Sow in spring, while ground is cool and moist, or in early autumn. Bushel of 60 pounds. Write for prices.

WINTER VETCHES (Vicia Villiosa).—Also called Sand Vetch or Hairy Vetch. Recommended for fall sowing with rye, as in many localities in the North it is hardy, remaining green all winter. A valuable food for stock in early spring. Use one to two bushels per acre. Bushel of 60 pounds. Write for prices.

RUSSIAN SUNFLOWER.

Growing to double the size of the common Sunflower, and the yield of seed is twice as great. It is highly recommended for poultry—the best egg-producing food known. The leaves make splendid fodder, much relished by all kinds of stock.

Lb., 10c.; by mail, 18c. 4 lbs., 25c. 10 Lbs., 50c.



PREPARATION AND CARE OF LAWNS.

THE ground should be thoroughly drained and well enriched before sowing. Work the soil until well pulverized, and have the surface as level as possible, so that the grass may present an even appearance. After sowing, cover seed lightly and follow with roller. The best results are obtained by using plenty of seed, 4 bushels to the acre being about the right quantity. One quart is sufficient for 300 square feet. Let the grass obtain a good start before cutting, and then it should be trimmed with a lawn mower about every 10 days. Old lawns may be improved and renewed by the application of fertilizers and seeding about half the quantity of seed required for new lawns. This should be done whenever they show any thin places.

Griffith & Turner Co.'s Evergreen Lawn Grass.

THIS is a first-class mixture prepared by ourselves, and containing nothing but choice seeds—just the thing for tennis, croquet and ball grounds, remaining green and fresh during the hot summer months. Widely known and extensively used on the finest private and public grounds around Baltimore, Washington and elsewhere with the most satisfactory results. Nothing adds to the attractiveness of suburban homes more than a well-kept, closely-cut, velvety lawn; hence the importance of securing the best seeds. This we offer in our selected Evergreen Lawn Mixture, containing different varieties that grow and flourish at different months of the year, so that a rich, green, velvety lawn is constantly maintained. It is adapted to the small grass plots of city homes. Pint, **10c.** Quart, **20c.** ½ Peck, **65c.** Peck, **$1.10.** Bus. of 20 Lbs., **$4.**

WHITE DUTCH CLOVER.
(Trifolium Repens.)

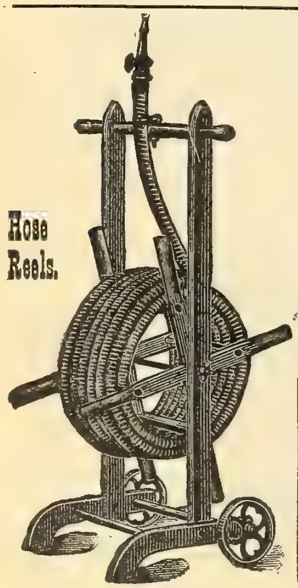
THE best variety for lawns, as it forms a close herbage and remains green throughout the season. It is also valuable when mixed with grass seeds for pasture. Sow in spring at the rate of 6 pounds per acre when sown alone, half the quantity when sown with other grasses.
Pound, **35c.** 10 Pounds, **$3.00.**

OUR LAWN GRASS SHOULD NOT BE CONFOUNDED WITH THE CHEAP, CHAFFY GRASSES OFFERED AT LESS PRICES.

PARK LAWN GRASS.

THIS mixture does not contain so much of the high-priced grasses as our Evergreen Lawn Grass, but it is superior to many of the cheap grades offered, and will make a very nice lawn.

Quart	**20c.**
Peck	**$1.00**
Bus. of 16 Lbs	**3.00**



Hose Reels.

HOSE REELS.

Fountain	**$1.00**
Sylph	**2.50**

GEM HOSE NOZZLES, 35c.

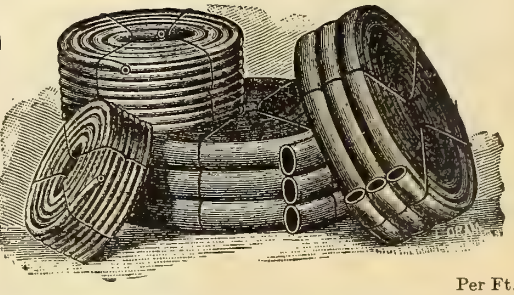
The Best In Use.

For throwing fine or coarse spray or straight stream.

Hose Couplers (Brass)....**15c.** per pair.
Mender Tubes......**5c.** each, **40c.** dozen.
Hose Clamp (Sherman) **5c.** each, **50c.** doz.

For Lawn Sprinklers, See Page 35.

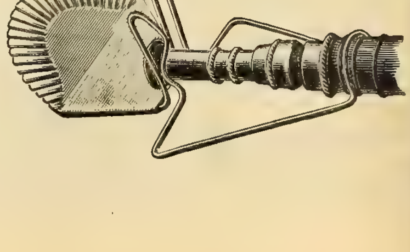
Rubber Hose.



	Per Ft.
TRIX.—3-ply, ¾-inch, in 25 and 50-foot lengths	**08c.**
ORIOLE.—3-ply, ¾-inch, in 25 and 50-foot lengths (100 lbs. pressure)	**10c.**
GRIFFITH & TURNER CO.'S EXTRA.— 3-ply, ¾-inch, in 25 and 50-foot lengths (125 lbs. pressure)	**12c.**
CREST.—4-ply, ¾-inch, in 25 and 50-foot lengths (200 lbs. pressure)	**15c.**
GRIFFITH.—5-ply, ¾-inch, in 25 and 50-foot lengths (500 lbs. pressure)	**16c.**

CRESCENT WAVE SPRINKLER.

It is attachable to any nozzle.
Can be operated from the hand.
Supports nozzle in position when placed upon the ground.
Distributes water evenly and in a showerlike manner.
Permits of full flow from the nozzle, thus lessening the liability of bursting the hose.
May be shifted without closing hydrant.
No wet grass to tread upon when shifting.
Not necessary to detach when reeling hose.
Durable and never out of order. Price, **25c.**



GRIFFITH & TURNER CO.

Griffith & Turner Co.'s Golf Link Mixture.

Bus., $2.50. 10 Bus. Lots, $2.25.

THERE being a growing demand for a grass mixture suitable for golf and cricket grounds, we have made a study of the grasses best adapted to these purposes, and have them mixed in proper proportions to give desired results.

Many of the public and private grounds around Baltimore and other places have been sown with our mixtures, and the grounds have won the admiration of thousands of visitors.

As it is highly essential that golf and cricket grounds should be mowed closer than ordinary lawns, we have illustrated and described our GOLF MOWER (see page 75), designed especially for the purpose. It insures a fine, close, even cut.

Putting Green Mixture, Peck, $1.10. Bus., $4.00.

"TERRACE" SOD MIXTURE.

A SPECIAL mixture of grasses best suited for sowing on terraces, railroad embankments and side hills—grasses that produce strong, spreading roots, thus preventing heavy rains from washing them out; that will withstand drought and exposure, thrive on shallow soils, and at the same time produce a rich, velvety green turf throughout the season.

PRICE—Qt., 35c Peck, $2.00. Bus. of 20 Lbs., $7.00.
If by mail, add at the rate of 5c. Qt., for postage.

ECLIPSE SPRINKLER.

This is the cheapest and one of the most effective sprinklers made. The distribution of water is perfect.

Price, 20c. By Mail, 30c.

LYONS' AUTOMATIC LAWN FEEDER.

IT is a neat device attached to the hose nozzle, which dissolves a stick of concentrated fertilizer, diffusing it through as much water as will pass through garden hose in about one hour. Complete outfit, consisting of one holder and 12 of the food cartridges, prepaid, to any address on receipt of 75c.

EXTRA FOOD CARTRIDGES, in boxes of 24, for 50c., or, prepaid for 75c.

Plant Sprinklers, Atomizers and Syringes. See Pages 56 and 73.

Hose and Hose Reels. See Page 34.

Mastica Glazing Machine.

Price.....$1 25.

Mastica for Glazing.

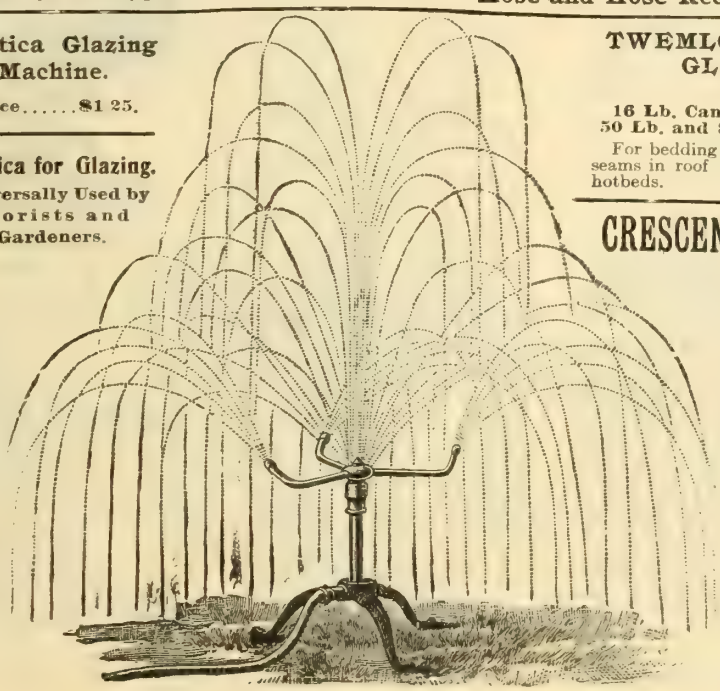
Universally Used by Florists and Gardeners.

For Glazing Greenhouses, Sashes, etc., new and old. It is elastic, adhesive and easily applied. It is not affected by dampness, heat or cold.

"Mastica," when applied in a few hours forms a skin or film on the entire mass, hermetically sealing the substance and preventing the evaporation of the liquids, and remains in a soft, pliable and elastic condition for years.

"Mastica" is of great value in going over old houses with a putty bulb or machine on the outside of sash, as it makes it perfectly tight and saves the expense of relaying the glass.

Price, ½ gal	$ .70
" 1 gal	1.25
" 5 gal	5.75



TWEMLOW'S OLD ENGLISH GLAZING PUTTY.

SEMI-LIQUID.

16 Lb. Can (1 Gallon Capacity), $1.25. 50 Lb. and 80 Lb. Kits, $3.75 and $6.00.

For bedding glass in sash and filling cracks or seams in roof joints or frames of greenhouses or hotbeds.

CRESCENT LAWN SPRINKLER

WORKS BEAUTIFULLY.

THIS Sprinkler is compactly and strongly made with phosphor bronze bearing and will cover a surface 48 feet in diameter. As it has a free and unobstructed channel, there is no danger of clogging with dirty water, and therefore it fills the requirements of users of such articles better than the more expensive and larger sprinklers and will accomplish the same results. The top and arms are brass, full nickel-plated standard the base and legs are iron, handsomely japanned.

PRICE.

12 inches	high.....	3 arms $1.50.
24 inches	high.....	4 arms, $2.00.
36 inches	high.....	4 arms $2.50.

GRIFFITH & TURNER CO

G. & T. Co's SELECTED FLOWER SEEDS

The letter "A" means annual.
The letter "P" means perennial.

ORDER BY NUMBERS.

Ten 5c. Papers, mailed, for 25c., or Four 10c. Papers for 25c.

0. ABUTILON (A).—Fine mixed.
Packet, 10 cents.

1. AGERATUM, MIXED (A).—Suitable for beds, and especially nice for cut flowers and bouquets. **Packet, 5 cents**

10. ALYSSUM (A).—The Sweet Alyssum has pretty little white flowers, useful in making small bouquets, and its fragrance, while sufficiently pronounced, is very delicate. The Alyssum grows freely from seed, blooms the whole season.
Oz., 25c. Packet, 5c.

11. ALYSSUM (A) (Tom Thumb).—Of dwarf, compact habit, each plant covering a circle from 15 to 30 inches. It will bloom when small and remain covered with bloom from spring to autumn.
Oz., 40c. Packet, 5c.

20. AMARANTHUS, MIXED (A).—Showy blooming plants, with long racemes of curious looking flowers and brilliant foliage; half hardy annuals.
Packet, 5 cents.

21. AMARANTHUS, TRI-COLOR (Joseph's Coat) (A).—Red, Yellow and Green foliage; 2 feet. **Packet, 5c.**

22. AMARANTHUS CAUDATUS (Love Lies Bleeding) (A).—Graceful and handsome flowers of blood-red hue.
Packet, 5 cents.

24. ANTIRRHINUM, DOUBLE MIXED (P).—One of the most useful and showy border plants. The recently improved varieties have large, finely shaped flowers of brilliant colors. Perennial.
Packet, 5 cents.

ASTERS.

25. ASTERS (A).—Choice mixed varieties. Well-known and beautiful flowers; should be in every garden. **Packet, 5 cents.**

26. ASTER, GERMAN (A).—All colors and shades of the best German sorts. Sow seed early and transplant to rich soil. **Packet, 5 cents.**

27. ASTER, TRUFFAUT'S PERFECTION (A).—A very favorite class; thrifty, upright growers; flowers large, almost perfectly round, with incurved petals. The florist's preference; 1½ to 2 feet. **Packet, 10 cents.**

28. PRINCESS SNOWBALL (A).—This is an entirely distinct variety of Aster. The flowers are pure white, and are formed of short, thickly set imbricated petals, there being about 25 to 30 on a plant. **Packet, 10 cents.**

29. MIGNON ASTER (A).—A splendid new class of Asters. The plants are semi-dwarf and bear in profusion flowers of a very double nature, the petals overlapping each other.
Packet, 10 cents.

30. VICTORIA ASTER (A).—The most beautiful of all Asters, bearing flowers of all colors and shades; the colors include many extremely delicate and gorgeous shades. Very double and four inches across; height 15 to 18 inches. **Packet, 10c.**

31. COMET ASTER (A).—This class of Asters has long, slender and curled petals, forming loose yet dense flowers of semi-globe shape, 3½ to 4½ inches in diameter, which resemble the Japanese Chrysanthemum.
Packet, 10c.

32. DWARF CHRYSANTHEMUM FLOWERED ASTER (A).—Grow 9 inches high; surpass all the dwarf varieties in size of flowers.
Packet, 10c.

33. SEMPLE'S BRANCHING ASTER (A).—A choice strain of American-grown Asters, which has, by careful selection, been brought to a high degree of excellence.
Mixed Colors, 10c.

34. SEMPLE'S BRANCHING ASTER (A) (White).—Very choice.
Packet, 10c.

35. BACHELOR'S BUTTON, or BLUE BOTTLE (A) (Centaurea Cyanus).—A very old favorite garden annual, with handsome flowers of various colors. It does best if sown in a hot-bed; half-hardy annuals; two feet.
Packet, 5 cents.

40. DOUBLE BALSAMS, CAMELIA FLOWERED (A) (Lady Slipper, or Forget-Me-Not).—The well-known Balsams are one of the finest summer blooming annuals, free bloomers and highly colored. By transplanting them once or twice, the flowers are apt to be more double. **Packet, 5 cents.**

41. BALSAM, PERFECTION WHITE (A).—This resembles the mixed Balsams in shape, but the flowers are of a pure white, and is the variety usually grown by florists. **Packet, 10 cents.**

45. CANDYTUFT MIXED (A).—Well-known favorite, hardy annuals; very pretty in beds or masses; useful for bouquets. Seeds may be sown in the fall for early flowering.
Packet, 5 cents.

46. CANDYTUFT, WHITE (A).—Treated and used same as the mixed.
Packet, 5 cents.

50. CALCEOLARIA DWARF (A).—This is a magnificent ornamental plant for green-house or conservatory, bearing in profusion pocket-shaped flowers of all colors, spotted and blotched in the most fanciful fashion. **Packet, 25 cents.**

53. CALENDULA, DOUBLE (A).—Very profuse dwarf bushy annuals, blooming continuously and profusely until frost; of easy culture, and suitable for summer garden or for growing in pots in winter.
Packet, 5 cents.

55. CANNA, MIXED (Extra Choice) (A).—The Cannas are desirable not only for the beauty of their spikes of scarlet flowers, but for their highly ornamental leaves. They make superb beds for the lawn. Soak the seeds thoroughly before planting, and keep in a warm spot. Very slow to germinate.
Packet, 5 cents.

33.—SEMPLE'S BRANCHING.

60. CANTERBURY BELLS, SINGLE MIXED (Campanula) (A).—A highly attractive class of plants, combining richness of color with stately growth; valuable for beds and borders. Sow early, and transplant in light, rich soil.
Packet, 5 cents.

61. CANTERBURY BELLS, DOUBLE MIXED (P).
Packet, 5 cents.

CARNATION.—(See Pinks) (P).
CASTOR OIL BEAN.—(See Ricinus) (A).

68a. CENTAUREA GYMNOCARPA.—Fine cut silver-gray foliage; 1½ feet.
Packet, 5c. 1-4 oz., 25c.

68. CENTAUREA CANDIDISSIMA.—Silver white; leaves broadly cut.
Packet, 5c. 1-4 oz., 25c.

GRIFFITH & TURNER CO

FLOWER SEEDS THAT GROW.

Ten 5c. Papers Mailed for 25c., or Four 10c. Papers for 25c..

69. CENTROSEMA GRANDIFLORA (P).—A perfectly hardy perennial vine of rare beauty, which blooms in July from seed sown in April, and bears in great profusion inverted pea-shaped flowers of various colors. **Packet, 5c.**

70. CHRYSANTHEMUMS, SINGLE, MIXED (A).—Showy and effective garden favorites extensively grown for cut flowers. The hardy annuals are summer flowering border plants; good for pot culture and quite distinct from the autumn flowering varieties. **Packet, 5c.**

71. CHRYSANTHEMUM FRUTESCENS (A).—The Marguerite, or Paris Daisy).—Immense quantities are grown by French florists, and find a ready sale. It produces freely its white star-like flowers under the most favorable conditions. **Packet, 10c.**

75. CINERARIA (Dusty Miller) (P).—Fine for bedding, ribbon beds and margins; prized for their beautiful downy silvery foliage; half hardy perennials; two feet. **Packet, 5c.**

76. CINERARIA HYBRIDA (P).—Large flowered prize varieties; very attractive, free blooming plants, producing large and brilliant flowers. **Packet, 25c. 5 for $1.00.**

77. CINERARIA HYBRIDADWARF (P).—Large flowered, dwarf prize varieties; splendid strain. **Packet, 25c. 5 for $1.00.**

80. CLARKIA, MIXED (A).—An old favorite hardy annual plant, growing in any garden soil, and producing freely its cheerful flowers early in the season; 1¼ feet. **Packet, 5c.**

85. COCKSCOMBS (Celosia Cristata) (A).—Very popular annuals of the easiest culture, highly ornamental for decoration of the green-house, drawing-room and garden. Half hardy annuals. **Packet, 5c.**

86. COCKSCOMBS, GLASGOW PRIZE (A).—Immense showy dark crimson combs. **10c.**

88. COMSLIP (P).—Packet, 10c.

89. COLEUS (A).—Very choice plants with richly colored foliage of maroon, green, crimson, yellow, etc. **Pkt., 25c.**

90. CONCOLVULUS, TRI-COLOR MINOR (Dwarf Morning Glory) (A).—A beautiful class of hardy annuals,, affording a large, showy mass of flowers from July to October. **Packet, 5c.**

93. COREOPSIS (Calliopsis) (P).—Very handsome and showy plants, with numerous flowers of brilliant colors, and of long duration in bloom.

93a. COREOPSIS LANCEOLATA (P)—IMPROVED (California Sunbeams). This is one of the finest of hardy plants, with large, showy, bright golden-yellow flowers, freely produced on long stalks, from June till frost; excellent for cutting; will thrive in almost any situation. **Packet, 5c. 1-4 oz., 40c.**

76.—CINERARIA HYBRIDA.

96. CYCLAMEN—PERSICUM—GIGANTEUM, MIXED (P).—Charming plants with beautiful foliage and rich colored fragrant flowers. **Packet, 25c. 5 for $1.00.**

97. DAISY, MIXED (P).—Well-known favorites, admirably adapted for edgings, borders and low beds, and it is also suited for growing in pots. Although they are perennials, they will flower the same season if seed is sown early in the house. **Packet, 10 cents.**

98. DAISY, LONGFELLOW (P).—This is a very pretty, large, double pink variety. **Packet, 10 cents.**

99. DAISY, SNOWBALL (P).—An unusually large-flowered variety, and produces very double, pure white flowers. **Packet, 10 cents.**

DAHLIA.

One of our best autumnal flowering plants. Blooms until killed by frost; tuberous-rooted, half-hardy perennials; blooming the first year from seed, if sown early.

100. SINGLE MIXED (A).—Large, showy single flowers. **Packet, 5c.**

100a. CACTUS DAHLIA (A).—A most curious and desirable variety of many colors. **Packet, 5c.**

DIANTHUS.—(See Pinks).

100½. DIANTHUS—ORIENTAL BEAUTIES (P).—A magnificent strain of new large-flowering Dianthus from Japan. The colorings and markings are rich beyond description; very dainty and pretty with their charming ruffles and frills. Hardy and perpetual bloomers. **Packet, 10 cents.**

101. ETERNAL FLOWER (Helichrysum) (A).—These are very popular and desirable for winter decoration, bouquets, wreaths, etc. They should be cut when they come into full bloom, tied into bunches, and dried in the shade with their heads downward. **Packet, 5c.**

103. FEVERFEW (GOLDEN FEATHER) (Pyrethum Aureum) (P).—A highly ornamental golden yellow foliage plant, unexcelled for bedding. Hardy perennial; 1½ feet. **Packet, 5c.**

105. FORGET-ME-NOT (Myosotis) (P).—Neat and beautiful little plants, with star-like flowers, succeeding best in a shady, moist situation; half-hardy perennials; blooming the first year from seed, if sown early. **Pkt. 5c.**

.106 FOXGLOVE (DIGITALIS) (P).—A handsome and highly ornamental, hardly perennial plant of stately growth; fine for shrubberies and other half-hardy places; 3 feet.

107. GERANIUM (New Zonale) (A).—A grand strain of Geraniums, containing all shades of colors. **Packet, 10c.**

108. GODETIA—Finest Mixed (A).—Fine, profuse blooming hardy annuals. **Packet, 5 cents.**

DAISY.

109. GAILLARDIA (A).—Very attractive plants, producing a profusion of bloom the entire summer and autumn. Half-hardy annuals. **Packet, 5 cents.**

110. GILIA, MIXED (A).—Very pretty dwarf plants, early, free blooming, fine for massing and rock work. Hardy annuals. **Packet, 5 cents.**

111. GLOXINIA (A).—A large flowering, choice mixed. Produces in great profusion large bell-shaped flowers of the richest variety of colors. **Packet, 5 cents.**

COSMOS.

Large flowering. Sow early in spring, and transplant when danger from frost is past. The flowers are borne profusely, and present a charming appearance when in full bloom, being covered through the autumn months with hundreds of showy blossoms. They are very easily raised and make a grand display.

94. TINTS OF DAWN COSMOS (A).—This new variety comes into full bloom in July, and continues a mass of bloom until cut down by severe frost. In addition to this, it is of dwarf growth, and large flowers. **Pkt., 10c. 1-4 oz., 50c.**

95. COSMOS, Mixed (A). 5c. 1-4 oz., 20c. Oz., 50c.

95a. COSMOS, Pink (A).—5c. **95b. COSMOS, White (A).—5c.** **95c. COSMOS, Crimson (A).—5c.**

95d. NEW MARGUERITE COSMOS (A).—One of the prettiest and daintiest varieties imaginable. **Packet, 10c**

SEE PLANT PAGES FOR ALL KINDS OF BEDDING AND OTHER PLANTS.

GRIFFITH & TURNER CO.

SELECTED FLOWER SEEDS.

Ten 5c. papers mailed for 25c. or Four 10c. papers for 25c.

112. HELIOTROPE (A).—These are deliciously fragrant flowers, remaining in bloom a long time; fine for pot culture or bedding; half-hardy annuals.
Packet, 5c.

115. HOLLYHOCK, CHATERS SUPERB MIXED (P).—This is one of the oldest inhabitants of our gardens; now ranks as one of the finest autumn flowers. **Packet, 5c.**

116. HOLLYHOCK, CHATERS DOUBLE WHITE (P).—Largely used by florists. **Packet, 10c.**

119. LANTANNA (A).—Of compact growth, and very profuse bloomers.
Packet, 5c.

120. LARKSPUR (Delphinum) (A).—One of the most showy and useful plants, possessing almost every requisite for adornment of the garden.
Packet, 5c.

HELIOTROPE.

FOUR O'CLOCK.

121. LARKSPUR EMPEROR (P).—Of symmetrical bushy habit, with a profusion of brilliant dark-blue, red-striped and tri-colored flowers. **Packet, 5 cents.**

LOBELIA.

A beautiful and popular flower, very desirable for pot culture, beds or hanging baskets, because of its trailing habits. Grows easily and does well in beds and rockeries. Bears a profusion of blue and white flowers. Annuals.

122. MIXED VARIETIES.—5c. (A).

123. CRYSTAL PALACE COMPACTA (A).—Rich deep blue. The finest for bedding.
Packet, 10 cents.

125. MARIGOLD, DOUBLE AFRICAN (A).—A well-known free-flowering plant, of easy culture, with rich and beautiful double various-colored flowers.
Packet, 5 cents.

126. MARIGOLD, DOUBLE FRENCH (A).—Of compact habit, with numerous bright, showy flowers. Very fine. **Packet, 5c.**

130. MARVEL OF PERU, or FOUR O'CLOCK (Mirabilis Jalapa) (A).—Very pretty annual of vigorous growth. The flowers are brilliant, singularly mixed and varied on the same plant. 2 feet. **Packet, 5 cents.**

131. MATTHIOLA BICORNIS (A).—Very fragrant at night.
Packet, 5 cents.

133. MESEMBRYANTHEMUM CHRYSTALLINUM (Ice Plant) (A).—Dwarf spreading plants of great beauty, blooming the entire summer, succeeding best in dry, sandy or loamy soil, and in a warm locality. It belongs to the half-hardy annuals. **Packet, 5c.**

34. MIMULUS.—The beautiful Monkey Flower.
Packet, 5c.

MIGNONETTE. (A)

(SELECTED STOCK).

135. MIGNONETTE—SWEET (Reseda Odorata).—A well known and universal garden favorite, and one that requires no extra instructions for growing. Hardy annuals.
Pkt., 5c. Oz., 15c.

136. MIGNONETTE—PYRAMIDAL. — (Large flowered).—The largest flowered of all Mignonettes. Annual. **Pkt., 5. Oz., 15.**

137. MACHET MIGNONETTE.—Well adapted for pot culture; dwarf pyramidal growth; bearing numerous flower stalks; one of the best.
Pkt., 10c. 1-4 Oz., 20c. Oz., 50c.

138. MIGNONETTE VICTORIA. (A)—A splendid new, compact-growing variety of dense pyramidal, growing about six inches high. The flowers are of a brilliant red, and are suitable for pot or garden. **Pkt., 10c.**

DEFIANCE MIGNONETTE.

139. ALLEN'S DEFIANCE. (A)—When grown under favorable conditions and with proper care, spikes will not only be of remarkable size—from 12 to 15 inches long—but deliciously fragrant; much more so than any other variety.
Pkt., 10c. 1-4 Oz., 25c. Oz., 75c.

140. GOLDEN MACHET MIGNONETTE. (A)—Distinct new variety of the well-known Matchet, of the same compact and robust habit, but differing from the type by its massive spikes of golden-yellow blossoms. **Pkt., 5c. 1-4 oz., 20c. Oz., 50c.**

NASTURTIUM. (A)

142. DWARF MIXED.—The dwarf variety of Nasturtium is among the most useful and beautiful of annuals for bedding, massing, etc., owing to their compact growth, richness of color and profusion of bloom; mixed colors.
Pkt., 5c. Oz., 10c.

143. DWARF NASTURTIUM—AURORA.—Blush white and salmon, blotched with garnet. **Pkt., 5c. Oz., 15c.**

144. DWARF NASTURTIUM—BEAUTY.—Bright scarlet, striped with yellow.
Pkt., 5c. Oz., 15c.

145. DWARF NASTURTIUM (Empress of India).—Very dark foliage, with deep crimson flowers.
Pkt., 5c. Oz., 25c.

146. DWARF NASTURTIUM (Golden King).—Brilliant yellow.
Pkt., 5c. Oz., 15c.

147. DWARF NASTURTIUM (King of Tom Thumb).—Brilliant yellow flowers, blotched with maroon, measuring three inches across.
Pkt., 5c. Oz., 15c.

148. DWARF NASTURTIUM (Ruby King).—Light ruby red.
Pkt., 5c. Oz., 15c.

149. DWARF NASTURTIUM (Cloth of Gold).—Golden yellow foliage, light scarlet flowers.
Pkt.. 5c. Oz., 20c.

150. KING THEODORE—DWARF.—Black-brown foliage.
Pkt., 5c. Oz., 15c.

151. CRYSTAL PALACE GEM.—Sulphur, maroon spot.
Pkt., 5c. Oz., 15c.

TALL NASTURTIUM.—(See 310).

OXALIS—ANNUALS.

153. OXALIS.—Pretty little half-trailing annuals for hanging baskets. Mixed annual sorts.
Packet, 10 cents.

PANSIES—ANNUALS.

OUR STRAIN OF PANSIES IS THE EQUAL OF ANY.

156. PANSY GIANT TRIMARDEAU.
Remarkable for the extra large size of the flower and an endless variety of beautiful shades.
Pkt., 10c. 1-8 Oz., 40c.

159. GIANT KING OF BLACK.
Pkt., 10c. 1-8 Oz., 40c.

160. GIANT EMPEROR WILLIAM.
Brilliant blue, with violet eye.
Pkt., 10c. 1-8 Oz., 40c.

161. GIANT LORD BEACONSFIELD.
Deep violet, shading to white.

162. GIANT SILVER-EDGED.

163. GIANT YELLOW GEM.
Pkt., 10c. 1-8 Oz., 40c.

158. PANSY. (Bugnot's Exhibition).
A celebrated strain of extra large size, beautiful colors, with handsome broad blotches, and finely penciled with stripes of delicate hue. The ground colors are generally dark, which, with light penciling and blotches, make a magnificent flower. They are a small seeder.
Packet, 25 cents.

155. PANSY HEARTSEASE.
Choice mixed. An old but universally admired plant, producing an endless variety of color, marking and texture. They may be treated as annuals, as they flower the first season from seed; 6 inches. **Pkt., 5c. 1-8 Oz., 35c.**

157. G. & T. CO.'S EXTRA MIXED.
This mixture, containing the finest blotched varieties, is grown and selected with special care, and has given the most satisfactory results to both florists and amateurs for the past two years.
Pkt., 15c. Two Pkts., 25c. 1-8 Oz., 60c.

162. PASSION FLOWER (Southern Beauty).—A most interesting and well-known order of climbers, bearing singularly beautiful flowers. **Packet, 10c.**

(A) Annual. (P) Perennial

FOR PLANTS SEE PLANT PAGES.

THE BEST FLOWER SEEDS.

Ten 5c. Papers mailed for 25c. or Four 10c. Papers for 25c.

PETUNIAS.

ANNUALS.

165 PETUNIA.—Favorite, half-hardy perennials, succeeding well in any rich soil. For the brilliancy and variety of the colors and the long duration of their blooming period, they are indispensable in any garden. **Packet 5c.**

166. SINGLE-FRINGED MIXED PETUNIA.—Large flowers, four to five inches across, of every hue, each flower being beautifully fringed. **Pkt., 25c.**

167. DOUBLE PETUNIA.—About 30 per cent. will produce double flowers. **Packet, 25 cents.**

168. PETUNIA — Double-Fringed Mixed.—The flowers of this sort being double, together with being fringed, are very beautiful. **Packet, 25c.**
Plants of Double Petunia furnished on application. **10c. each. $1.00 doz.**

PHLOX DRUMMONDII.

175. PHILOX DRUMMONDII (A).—A most brilliant and beautiful hardy annual, about one foot high, well adapted for bedding, making a dazzling show through the whole season. It succeeds well on almost any soil. **Packet, 5 cents.**

167. PHILOX DRUMMONDII—(Nina Compacta) (A).—Very fine mixed. This new strain is of dwarf, compact habit, and makes desirable pot plants; also excellent for ribbon lines and massing. **Packet, 10 cents.**

PINKS. (P)

180. PINK—CARNATION, or PICOTEE. — Choicest Double Mixed Dianthus Caryophylus). — Carnation and Picotee Pinks are generally favorites for their delicious fragrance, richness of colors and profuse bloom. Perennial. **Packet, 10 cents.**

181. PINK, CARNATION (Riviera Market, or Gilaud).—This is the only variety that will produce yellow flowers the first season. The mixture we offer contains a magnificent variety of colors and shades, having among them flowers of canary yellow, and also striped yellow. They will thrive either in open ground or pots. **Pkt., 25c.**

182. PINK CARNATION (Marguerite) (P).—Will produce flowers in a few weeks from seed. Profuse bloomers, producing very double flowers of all shades of red, pink, white and variegated. Will bloom all summer until frost or indoors in winter in pots. **Packet, 10 cents.**

185. PINK—CHINA (Dianthus Chinensis) (P).—Free bloomers, and a general favorite for bouquets; also a useful bedding plant. **Packet, 5 cents.**

188. PINK—HEDDEWIGH (P)—Beautiful double flowers in a great variety of colors, with fringed white edges. **Packet, 5 cents.**

189. PINK—JAPAN (P).—Beautiful double flowers, mixed, of various colors, with the outer edges fringed and nearly white. **Packet, 10 cents.**

195. PORTULACA (Mexican Rose) (A).—One of the finest hardy annual plants, of easy culture, thriving best in rather rich, light loam or sandy soil; the single-flowering varieties are large and brilliant, of the richest shades of color, and produced throughout the summer in great profusion; fine for massing in beds or edgings of rock work. **Packet, 5 cents.**

196. DOUBLE PORTULACA (A). **Packet, 10 cents.**

CARNATION.

200. POPPY-CARNATION (Papaver) (A).—A showy and easily cultivated hardy annual, with large brilliant colored flowers, growing freely in any garden soil. **Packet, 5c.**

201. POPPY—PEONY FLOWERED (A).—A magnificent species, large, showy, double globular flowers, resembling Peonies in shape. **Packet, 5c.**

202. SHIRLEY POPPY (A).—These beautiful Poppies are generally single or semi-double. The colors, extending from one extreme to the other, are so varied that scarcely two are alike, while many are striped and blotched. The blooms, if cut when young, will stand for two or three days. **Packet, 5c.**

TULIP POPPY.

203. TULIP POPPY (A).—A magnificent species from Armenia. The plants attain a height of 14 to 16 inches, and produce from about 50 to 60 flowers of the brightest scarlet. **Packet, 5c.**

204. ICELAND POPPIES, MIXED (A). Although hardly perennials, these Poppies bloom the first season from spring-sown seed. The fragrant, elegant, crashed satin-like flowers are produced in never-ceasing succession from the beginning of June to October. **Packet, 5c.**

205. POPPY—IRRESISTIBLE (A).—A rare and beautiful Poppy, with immense flowers. Color, an exquisite rose. **Pkt.,5c.**

210. ENGLISH PRIMROSE (Primula Vulgaris) (P).—No collection of spring flowers is complete without a few of these charming little plants. A little covering in the late fall will protect them from the severe weather of winter, and the great number of flowers produced will more than repay you the extra trouble. They are not as generally grown as they should be. **Packet, 10c.**

211. CHINESE PRIMROSE (Primula Fringed) (A).—This variety is much prettier than the English, being fringed and of the most beautiful colors. They differ from each other like the double and single Petunias. **Packet, 25c.**

212. RICINUS, MIXED VARIETIES (A).—Ornamental plants of stately growth and picturesque foliage; fine for lawns, massing or center plants for ribbon beds; half-hardy annuals. **Packet, 5c.**

212½. RICINUS ZANZIBARIENSIS, MIXED (A).—Their immense leaves and gigantic plants exceed all other varieties. **Packet, 5c.**

213. SCABIOSA—GRANDIFLORA (P). A wonderful improvement over the old variety; bears beautifully formed flowers three inches in diameter. **Packet, 10c.**

215. SCARLET SAGE (Salvia Splendens) (A).—Tall, erect, green foliage. A favorite greenhouse and bedding plant, bearing long spikes of flowers in great profusion from July to October; half-hardy perennial, blooming the first year from seed, 3 feet. **Pkt., 5c. 1-4 oz., 75c**

216. SCARLET SAGE—CLARA BEDMAN (Bonfire) (A).—Dwarf, green foliage, flowers close to the ground. The finest Salvia ever introduced. **Packet, 5c. 1-4 oz., 75c.**

(A) Annual. (P) Perennial

GRIFFITH & TURNER CO

FLOWER SEEDS THAT GROW.

Ten 5c. Papers Mailed for 25c., or Four 10c. Papers for 25c.

SWEET WILLIAM.

220. SENSITIVE PLANT (Mimosa). Curious and interesting plants, with pinkish-white flowers; the leaves close in and droop when touched or shaken; tender annual. **Packet, 5c.**

SNAP DRAGON. See Antirrhinum. Packet, 5c.

230. TEN WEEKS' STOCKS (Gilliflower). A world-wide favorite, brilliant and varied in color, equally well adapted for massing, bedding, edging or pot culture. Very profuse bloomers. Should be grown in rich soil. **Packet, 5c.**

231. STOCKS—SNOWFLAKE IMPROVED.—A beautiful dwarf-growing variety; very large, double, snow-white flowers. Our seed of this variety is grown by a specialist, and will produce a large percentage of double flowers. **Packet, 10c.**

235. SUNFLOWER (Helianthus) (A).—Remarkable for the stately growth, size and brilliancy of their flowers, making a very good effect among shrubbery and for screens. The seed is also good for feeding poultry. **Packet, 5c.**

237. SWEET ROCKET (Hesperis) (A).—Very pleasing, early spring flowering, profuse blooming plants, with fragrant flowers, growing freely in any light, rich soil. **Packet, 5c.**

240. SWEET WILLIAM (Dianthus Barbatus) (P).—A well-known, free-flowering popular favorite; the great improvements upon the old varieties made within the last few years have rendered it still more desirable. Hardy perennials. **Packet, 5c.**

243. SWEET VIOLET (A).—Deservedly much in demand, because of their profusion of bloom and delicate, sweet odor. **Packet, 10c.**

244. TORENIA (A).—Charming plants for pot-culture, vases or hanging baskets. They succeed well also in the open ground in summer, and are very attractive in beds or masses. **Packet, 5c.**

245. MAMMOTH VERBENA (A).—One of the most popular and useful bedding plants. Verbenas delight in sunny situation, rich soil and thorough cultivation. **Packet, 5c. Oz., $1.00.**

247. VINCA (A).—Small bushy plants, producing in quantities round single flowers the first season, if sown early. They may be potted and kept all winter.

250. VINCA ROSA (A).—Rose with dark eye. **Packet, 5c.**

MAMMOTH VERBENA.

251. VINCA ALBA (A).—White, with crimson eye. **Packet, 5 cents.**

255. WALLFLOWER, DOUBLE (A).—Well known, deliciously fragrant plants, with large spikes of double flowers, similar to the Gilliflower. Succeed in light, rich soil, in a moist atmosphere. Perennials. **Packet, 10c.**

258. ZINNIA ELEGANS (Youth and Old Age) (A).—This is one of the most brilliant of annuals, and has long been a general favorite. The flowers are large, finely formed, in great variety of colors, and continue to bloom the entire season. Half-hardy annuals. **Packet, 5c.**

259. ZINNIAS CURLED AND CRESTED (A).—New, odd and superb. Petals twisted, curled and crested into fantastic contortions and graceful forms. A magnificent variety of colors. **Packet, 5c.**

260. ZINNIA—DOUBLE POMPON (A).—Long cone-shaped flowers, very fine. **Packet, 5c.**

261. ZINNIA—ZEBRA FLOWERED (A).—Packet, 5c.

GENERAL LIST OF CLIMBERS.

AMPELOPSIS VEITCHII also can be furnished as a plant. (See Nursery pages.)

270. BALSAM APPLE (Momordica) (A).—Very curious traling vines, with ornamental foliage, fruit golden yellow; when ripe, opens, showing the seeds and its brilliant carmine interior. **Packet, 5c. Oz., $1.00.**

272. BALLOON VINE (Love in a Puff) (A).—A rapid growing plant; succeeds best in light soil and warm situation; flowers white; half-hardy annual. **Packet, 5c.**

275. CANARY BIRD FLOWER (Peregrinum) (A).—With yellow, canary-like flowers; very ornamental and beautiful foliage; half-hardy annual. **Packet, 5c.**

276. COBEA SCANDENS (P).—A beautiful, rapid-growing climber, with handsome foliage and large bell-shaped flowers; blue; half-hardy perennial; grows twenty to thirty feet high. **Packet, 10c. Oz., 40c.**

278. CYPRESS VINE, RED (Ipomea Quamoclit) (A).—One of our most popular vines, with very delicate, fern-like foliage, and masses of beautiful, small, star-shaped flowers. Sow last of May; fifteen feet. **Packet, 5c.**

279. CYPRESS VINE, WHITE (A).—Usually grown with the red, making a handsome effect. **Packet, 5c.**

282. MAURANDIA (Barclayana) (A).—These charming climbers cannot be too highly praised for their beautiful flowers and foliage. They are admirably adapted for hanging baskets, vases or trellis work. **Packet, 5c.**

285. MIXED GOURD (Cucurbita) (A).—Rapid growing, interesting plants, with ornamental foliage and varieties of singular shaped fruit; annual. **Packet, 5c.**

286. NEST EGG GOURD (A).—White fruit, shaped like an egg. Used as a substitute for nest eggs. **Packet, 5c.**

287. DISH CLOTH GOURD (A).—Packet, 5c.

288. DIPPER GOURD (A).—Packet, 5c.

290. MOCK ORANGE (P).—Fruit shaped like an orange. **Packet, 5c.**

295. HEAVENLY BLUE IPOMEA (A).—The flowers are in large airy clusters, and of that lovely blue so rarely seen. Flowers four to five inches across. **Packet, 5c.**

CANARY BIRD VINE.

FOR GENERAL LIST OF PLANTS, FLOWER AND VEGETABLE, SEE PLANT PAGES.

GRIFFITH & TURNER CO.

CHOICE FLOWER SEEDS.

CLIMBERS.

300. MORNING GLORY (Convolvulus Major).—One of the most free flowering and rapidly growing plants in cultivation, thriving in almost any situation. The beauty and delicacy of their brilliant flowers are unsurpassed; hardy annuals. **Packet, 5c.**

301. NEW BRAZILIAN MORNING GLORY.—Packet, 5c.

302. GIANT JAPANESE MORNING GLORY.—This plant has been developed to such a state of perfection that it now produces flowers of immense size and almost endless variety of color and markings. Some of the flowers are brilliant red, or rich blue self-colored; others are equally brilliant, with broad margins of clear white. Some blossoms are striped and dotted with blue or red on white or lemon-yellow ground; others clouded with blue and red; in fact, one may expect to find some new and exquisitely beautiful markings every morning. Not only are the flowers varied, but the foliage is equally so; some of it comes plain green, and part is mottled with white and shades of yellow or yellowish green. Vines grow 30 to 40 feet high. **Packet, 10c.**

305. MOON FLOWER (Ipomoea Noctiflora.)—Charming and popular blooming climbers; of rapid growth and showy effects; warm, rich soil, with a sunny exposure, suits them. **Packet, 5c.**

310. TALL NASTURTIUM (Tropaeolum Major.)—Elegant, profuse flowering plants, constantly growing in favor for verandas, trellis, etc. The seed pods can be gathered while green and tender for pickling.
Packet, 5c. Oz., 10c.

320. SCARLET RUNNERS.—Very handsome, climbing Beans, with bright scarlet flowers. **Packet, 5c.**

326. SMILAX.—Charming climber for greenhouse or window gardens.
Pkt., 5c. 1/2 oz., 25c. Oz., 40c.

JAPANESE MORNING GLORY.

No lover of flowers should be without a bed of Sweet Peas.

Our list comprises the Best Varieties.

Sweet Peas

**Ten 5c. Papers Mailed for 25c.,
Or Four 10c. Papers for 25c.**

SWEET PEAS still hold a place in the first rank among flowering plants. But few plants are grown more easily, and grown in masses of separate colors or in mixture their beauty and fragrance cannot be surpassed. We offer in our list an assortment of the choicest varieties.

CULTURE.—Sweet Peas should be sown in drills as early as possible in spring, in rich, friable soil. Prepare the bed thoroughly, working in a quantity of well-rotted manure, if it can be done, making a furrow 4 to 6 inches deep. In this sow the seed and cover 2 inches deep. As soon as the plants begin to show through, fill in the furrow. This will secure a deep planting without the bad effect of deep covering of the seed at first, and so enable the plant to bloom continuously through the heat of summer. As fast as the flowers come into full bloom or fade they should be cut off, for if the pods are allowed to form the plants will stop blooming.

CLASSIFIED VARIETIES AS TO COLOR.

If you want White, select from numbers 356, 373, 387, 402. Pinks, 350, 371, 391, 420, 427. Orange and Salmon, 395, 406. Scarlet, 377, 386. Maroon, 360, 423. Yellow, 400. Striped Varieties, 353, 411, 424. Pink or Red, with White Wings, 357, 358.

350. ALICE ECKFORD.—Standard, rich, creamy, tinted pale pink. Wings pure white. **Oz., 5c. 1/4 Lb., 15c.**

362. AMERICA.—Large, bold flower; white striped with blood-red. **Oz., 5c. 1/4 Lb., 15c.**

351. APPLE BLOSSOM.—Bright rose and pink; beautiful.
Oz., 5c. 1/4 Lb., 15c.

352. AURORA.—The color effect is gorgeous; both standard and wings are flaked and striped on a white ground with bright orange salmon. **Oz., 5c. 1/4 Lb., 15c.**

363. BLACK KNIGHT.—Extra large, well-expanded flowers of glossy maroon. **Oz., 5c. 1/4 Lb., 15c.**

356. BLANCHE BURPEE.—Pure white; very large flower.
Oz., 5c. 1/4 Lb., 15c.

357. BLANCHE FERRY.—Popular color standard, brightest pink; keel and wings white. **Oz., 5c. 1/4 Lb., 15c.**

358. BLANCHE FERRY—Extra Early.
Oz., 5c. 1/4 Lb., 15c.

359. BLUSHING BEAUTY.—Flowers of largest expanded form, perfect in shape, and of very good substance. Color a delicate, soft pink. **Oz., 5c. 1/4 Lb., 15c.**

360. BOREATTON.—A very fine dark Pea, with bold, stout flowers; color deep maroon. **Oz., 5c. 1/4 Lb., 15c.**

361. BUTTERFLY.—New, and ranks among the very best of this unrivaled class of plants. Color lavender blue, shading into white on the lower petals. **Oz., 5c. 1/4 Lb., 15c.**

364. CAPTAIN OF THE BLUES.—Large shell-formed flowers, purplish blue; wings deep blue. **Oz., 5c. 1/4 Lb., 15c.**

365. COQUETTE.—Rosy cream standard; cream wings.
Oz., 5c. 1/4 Lb., 15c.

366. COUNTESS OF RADNOR.—Delicate lavender, wings delicately striped with rose. **Oz., 5c. 1/4 Lb., 15c.**

371. ELIZA ECKFORD.—Standard rose, wings delicately striped with rose. **Oz., 5c. 1/4 Lb., 15c.**

372. EMILY ECKFORD.—Standard heliotrope, suffused with blue; wings deep blue. **Oz., 5c. 1/4 Lb., 15c.**

373. EMILY HENDERSON.—Very early; color pure white; fragrance most delicious. The plants are robust, branchy, of compact habit; flowers large, broad and round, and its abundance of bloom is phenomenal. **Oz., 5c. 1/4 Lb., 15c.**

374. FIREFLY.—Intense, glowing crimson.
Oz., 5c. 1/4 Lb., 15c.

381. GAIETY.—Standards white, striped and flaked with rosy lilac; wings delicate blush. **Oz., 5c. 1/4 Lb., 15c.**

367. GORGEOUS.—Flowers very large; coloring rich, glowing and effective. **Oz., 5c. 1/4 Lb., 15c.**

380. GRAY FRIAR.—Large, shell-shaped flower, white clouded, and minutely dotted with reddish lilac. **Oz., 5c. 1/4 Lb., 15c.**

382. HER MAJESTY.—Beautiful, soft, rosy pink.
Oz., 5c. 1/4 Lb., 15c.

385. INDIGO KING.—A dark maroon standard, and clear indigo blue wings. **Oz., 5c. 1/4 Lb., 15c.**

386. INVINCIBLE SCARLET.—Flowers of intense and brilliant scarlet pink, of the largest size. **Oz., 5c. 1/4 Lb., 15c.**

391. KATHERINE TRACEY.—Soft, brilliant pink.
Oz., 5c. 1/4 Lb., 15c.

394. LADY BEACONSFIELD.—The standards are of light salmon pink, wings pale primrose yellow. **Oz., 5c. 1/4 Lb., 15c.**

395. LADY PENZANCE.—One of the most beautiful of Eckford's introductions. The standard is a beautiful laced pink, touching orange, while the wings are a darker and purer pink.
Oz., 5c. 1/4 Lb., 15c.

396. LOTTIE ECKFORD.—New, and a free bloomer, color lavender, shaded with pink and white. Very handsome.
Oz., 5c. 1/4 Lb., 15c.

UNLESS OTHERWISE NOTED, PRICES ARE:
Ounce . . . . 5c.
1/4 Pound . . 15c.

Sweet Peas—Continued.

TEN 5c. PAPERS MAILED for 25c., OR FOUR 10c. PAPERS for 25c. THIRTY 5c. PAPERS for 50c.

397. LOTTIE HUTCHINS.—Daintily flaked with pink on cream ground, making a rich and lovely effect. The flowers are of well-expanded grandiflora type, large in size and finely formed, borne on heavy, substantial stems.

398. LOVELY.—The most beautiful soft-shell pink; grand flowers of large size.

399. MARS.—Bright, fiery crimson, deepening with age; a large, round, expanded standard.

400. MRS. ECKFORD.—Color a peculiarly delicate shaded primrose yellow. Decidedly pretty.

401. MRS. GLADSTONE.—On opening, the flowers are buff and soft pink, changing to a beautiful pale blush. Standard pink, deepening in color at the base, and wings flesh-tinted.

402. MRS. SANDE
Black seeded. Large whi
flower, changing to blus
406. ORANGE PRINC
Bright orange pink, flu
scarlet; wings of ri
rose, veined with pink.
408. PRIMA DONNA.
Lovely soft rose pink,
large size and fine forr
a gem.
409. PRIMROSE.—Di
tinct as the nearest a
proach to yellow in Swe
Peas. Standard and win
of a pale primrose yello
color.
410. PRINCESS BI
ATRICE.—Flowers
a clear and beautif
carmine rose, slight
shaded.
411. PRINCESS O
WALES.—Color, whi
ground, shaded ar
tinged with mauve.
412. PRINCES
VICTORIA.-Standar
dark cherry; wing
mauve pink, and sligl
lines of rose.
416. QUEEN O
THE ISLES.-Sca
let mottled a n
flaked with purp
and white.
419. RED RI
ING HOOD.-Stan
ard and wings a
a rosy pink, shading
bluish white at caly
420. ROYAL ROB
Standards a rich, b
delicate pink, wings a so
bluish pink.
422. SHAHZADA.—Flow
ers of large size and fin
expanded form; colorin
rich dark maroon, with
tint of purple in the centre of t
standard and the inner portion
the wings.
423. STANLEY, OR BLAC
KNIGHT.—A deep maroon;
large and very handsome flow
of the finest form and abundanc
424. THE SENATOR.—Large flov
ers, shaded chocolate and brig
brown, and striped on a cream
white ground-color; mottled ar
blotched in every conceivable manne
427. VENUS. — Salmon buff; t
standards delicately shaded wi
rosy pink.
430. G. & T. CO.'S EXTRA FIN
MIXED.—This is a splendid mixture
our own, which includes nearly all t
above varieties.
Oz., 5c. 1/4 Lb., 15c. Lb., 35c.
431. ECKFORD'S LARGE FLOWERIN
MIXED SWEET PEAS.—Contains some of eac
of our entire list of Eckford's varieties.
Oz., 5c. 1/4 Lb., 15c. Lb., 35c.

CUPID DWARF SWEET PEAS.

435. PINK CUPID.—Standard bright rose pin
wings either pure white or blush. The seed
black and germinates readily; a thrifty grow
and continuous bloomer. **Pkt., 5c. 1/2 Oz., 20**
436. WHITE CUPID.—Pure white flowers.
Pkt., 5c. Oz., 20c.
437. BEAUTY CUPID.—**Pkt., 5c. Oz., 20c.**
438. PRIMROSE CUPID.—**Pkt., 5c. Oz., 20c**
439. ALICE ECKFORD.—**Pkt., 5c. Oz., 20c**

New Dwarf, or Cupid, Sweet Peas.

GRIFFITH & TURNER CO

BULBS FOR SPRING PLANTING.

CALLA LILY.

LILIES

AURATUM (The Gold-Banded Lily of Japan).

Immense white flowers, each petal marked with a wide gold band and spotted with maroon; very sweet fragrance and free blooming. It is considered by many the finest Lily in cultivation.

Large Bulbs.—15c. each. $1.00 per doz.

Extra Large Bulbs. 15c. each. $1.25 per doz. Mailed free.

LILIUM SPECIOSUM RUBRUM.

White, with rose centre. Each, 15c. $1.00 per doz.

LILIUM SPECIOSUM ALBUM.—Pure white. Each, 15c. $1.25 per dozen. Mailed free.

WHITE CALLA.—To aid profuse blooming, keep them dormant from the middle of June to last of August, re-pot them in good, rich soil, using a four to six-inch pot. Give water, light and heat in abundance, and the result will be most satisfactory.

Large Bulbs—10c. each. By mail, 15c.
Extra Large Bulbs—15c. each. By mail, 25c.

BEGONIAS TUBEROUS ROOTED.

THE Tuberous-Rooted Begonias are among the handsomest of our summer flowering bulbs. They are not grown to the extent they should be; they require no more care than Geraniums; have as fine a range of color, and will bloom continuously throughout the summer, even when Geraniums droop through lack of moisture and fail to unfold their flowers. Planted either in the rockery or flower border, they rival the Geraniums with their rich and varied colors, ranging from the most delicate shade of yellow and salmon to the most striking crimson and scarlet.

MIXED SINGLE—10c. each. $1.00 per dozen.
MIXED DOUBLE—25c. each. $2.50 per dozen.

CALADIUM ESCULENTUM.

GLADIOLUS.

If wanted by mail, add 10c. per dozen for postage.

THE cultivation of the Gladiolus is very simple, as they will thrive in any good garden soil, but will amply repay one for careful cultivation. A succession of bloom may be had from July to September by planting at intervals from April to June.

OUR GLADIOLUS

Are from one of the largest growers in the country, and one who has the finest assortment to be had either in this country or Europe; therefore, we claim them to be unexcelled as to quality.

MIXED (All Colors).

Dozen, 25c.
$1.25 per 100.

WHITE AND LIGHT COLORS.

Dozen, 30c.
$1.75 per 100.

GLADIOLUS.

EXTRA WHITE AND LIGHT VARIETIES.—All first-class varieties, made up largely from best-named sorts, including ten per cent. of Snow White. 10c. each. 50c. per dozen. $3.50 per hundred.

CHILDSI MIXED.—Extra large and fine. 50c. per dozen. $3.25 per 100.

LIMONII (MIXED).—Extra fine. 40c. per doz. $2.00 per 100.

TUBEROSES.

ONE of the most fragrant and popular of the summer flowering bulbs. May be started early in hot beds or pots, or planted in open ground after first day of May.

Each	5c.
Dozen	25c.
Per 100	$1.00

By Mail, 35c. per dozen.

MADEIRA VINE ROOTS.

Each	5c.
Dozen	30c.

CALADIUMS.

ELEPHANT'S EARS.

THE Caladium Esculentum is one of the handsomest of the ornamental-leaved plants. It will grow in any good garden soil, and is of the easiest culture. To gain the best result it should be planted where it will obtain plenty of water, and an abundance of rich compost. Roots planted in the spring will make good growth in the summer, and in the fall they should be taken up and stored in a cellar. Leaves three feet or more in length and nearly as broad. There is nothing so good as this Caladium for a grand bed of foliage in the garden.

FIRST SIZE BULBS.
5c. each. By mail, 10c. 50c. per dozen.

EXTRA LARGE BULBS.
10c. each. By mail, 15c. $1.00 per dozen.

PLANT DEPARTMENT

VEGETABLE PLANTS

We are now prepared to furnish all kinds of Vegetable and Flowering Plants at short notice. All of our plants are grown specially for us, and we are in a position to offer our patrons THE MOST COMPLETE ASSORTMENT TO BE FOUND IN THIS COUNTRY IN ANY ONE ESTABLISHMENT, AND AT PRICES AS LOW AS SAME QUALITY OF GOODS CAN BE OBTAINED ANYWHERE. Want of space forbids naming all varieties. Cash must accompany all orders. We do not ship plants C. O. D.

BEET.—Eclipse, Crosby, Egyptian. **40**c. per 100; **$2.00** per 1000. Add **10**c. per 100 if by mail. Special prices on 10,000 lots.

BRUSSELS SPROUTS.—**50**c. per 100, **$2.50** per 1000. Add **10**c. per 100 if by mail.

CABBAGE.—All the leading varieties. From December 1st to May 1st frame grown. **40**c. per 100; **$1.25** per 500; **$2.00** per 1000. Field grown, from May 1st to December 1st. **30**c. per 100; **$1.25** per 500; **$1.75** per 1000. Add **10**c. per 100 if by mail. Special prices in 10,000 lots.

CAULIFLOWER.—Early Snowball. **75**c. per 100; **$4.00** per 1000. Add **10**c. per 100 if by mail.

CELERY.—All the leading varieties. **40**c. per 100; **$1.25** per 500; **$2.00** per 1000. Add **10**c. if by mail. Special prices in 10,000 lots.

EGG PLANT.—Imp. Baltimore from seed bed. **50**c. per 100; **$4.00** per 1000. Pot grown—**50**c. per dozen; **$4.00** per 100. Add **10**c. per 100 if by mail.

KOHL RABI.—Early white Vienna. **50**c. per 100; **$3.00** per 1000. Add **10**c. per 100 if by mail.

LETTUCE.—Ready at all seasons. All the leading varieties. **30**c. per 100; **$1.25** per 500; **$2.00** per 1000. Add **10**c. per 100 if by mail. Special prices in large quantities.

PARSLEY.—For fall planting. Large strong roots. **$1.00** per 100; **$4.00** per 1000. Add **10**c. per 100 if by mail.

PEPPER.—**20**c. dozen; **50**c. per 100; **$3.00** per 1000. Add **10**c. per 100 if by mail.

SWEET POTATO.—**50**c. per 100; **$1.50** per 500; **$2.75** per 1000. Add **10**c. per 100 if by mail.

TOMATO.—All the leading varieties. Ready February 1st, small plants for transplanting—**$1.50** per 1000. Ready April 1st, cold frame plants—**40**c. per 100; **$1.25** per 500; **$2.00** per 1000. Add **10**c. per 100 if by mail. Special prices in quantities. Cash must accompany all orders for plants.

ALL OF ABOVE SEED BED PLANTS.

GREENHOUSE POTTED PLANTS

ABUTILONS.

(FLOWERING MAPLE.)

ECLIPSE OR LEOPARD.

Foliage striped and mottled with yellow and green. Flowers orange, with crimson throat.

GOLDEN FLEECE.

A fine golden yellow flower, very free blooming.

SAVITZII.

A Japanese variety that is bound to become a popular decorating plant, as its perfectly variegated green and white foliage contrasts nicely with any other plants with which it may be placed. The growth is dwarf and very compact, making a fine pot plant for house culture.

SANTANA.—Deep red, fine flowers.

SOUVENIR DE BONN.—Beautifully variegated leaves of good size, regularly and evenly marked with white and green; orange-colored flowers. All of the above plants **15**c. each; 6 for **75**c.

ACALYPHA.

MACAFEANA.—A handsome variegated foliage bedding plant, which may be used in connection with Coleus, Crotons or other foliage plants for sub-tropical bedding. **15**c. each; 2 for **25**c.

SANDERI (Comet Plant.)—A distinct and novel flowering plant of strong, free growth, with large dark green foliage, from the axils of which thick ropelike spikes of velvety-crimson flowers are gracefully suspended. **15c. each, 2 for 25c.**

ALTERNANTHERA.

Beautiful dwarf plants of compact habit, growing about six inches high, and admirably adapted for edgings, beds or ribbon lines; always attractive and highly ornamental.

ANY OF ABOVE.—**10**c. each; **75**c. dozen; **$4.00** per 100. By express, not prepaid.

ASPARAGUS.

SPRENGERI.—A most desirable species, especially useful to grow as a pot plant for decorative purposes or for planting in suspended baskets; the fronds are frequently four feet long, of a rich shade of green, and most useful for cutting, retaining their freshness after being cut for weeks. It will make an excellent house plant, as it withstands dry atmosphere and succeeds in almost any position. **15c. each. 2 for 25c.**

PLUMOSUS NANUS.—An excellent house-hanging plant, succeeding under almost any conditions. Price, **15**c. each; 2 for **25**c.

BEGONIAS.

TUBEROUS-ROOTED VARIETIES.

Up to middle of May dry roots can be furnished. After that, started roots, if wanted.

FLOWERING VARIETIES.
15c. each, $1.50 doz.

ALBA PICTA.—Dark green leaves, lance-shaped, silvery spots. White flowers.

ARGENTEA GUTTATA.—Foliage of rich green, spotted with silver.

GLOIRE DU MONTET.—Flowers very double, opening a bright carmine, changing to a clear pink as it expands.

HAAGEANA.—One of the finest Begonias yet introduced. The flowers, which are of the largest size, are of a creamy white, with just sufficient pink to give them a bright, cheerful glow; the foliage is a bronzy-green above and red below.

NANCY.—Double, tender rose, stamens chrome yellow.

TRIUMPH DE LORRAINE.

Petals nicely imbricated; color on opening a bright scarlet, changing to cherry-carmine when fully opened.

Erdody.

BEGONIA REX.

(ORNAMENTAL-LEAVED VARIETIES.)

Many improvements have been made in recent years in this useful house plant. **15c. each, $1.50** dozen.

ERDODY.

A very striking variety of free, thrifty growth, with a very pronounced double whorl on the leaf one above the other. The texture is fine and velvety and the shading beautiful, showing a nice silver zone.

MANICATA AUREA.

Heavy waxy leaves blotched and marbled with a rich, golden cream; with a clear pink etching.

LOUISE CLOSSON.

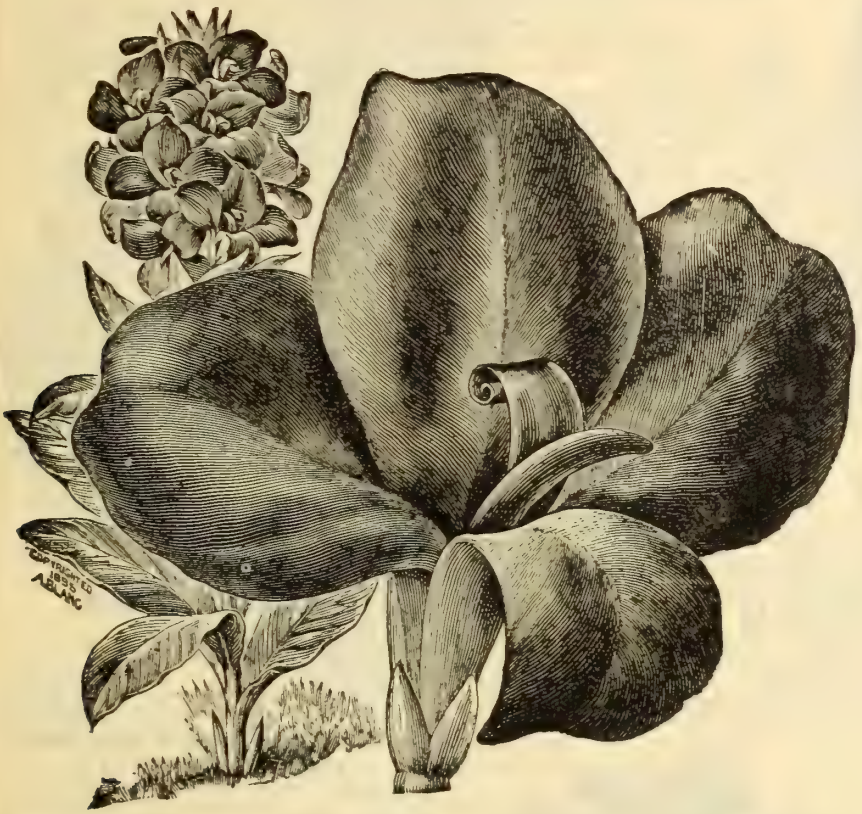
One of the richest and most beautiful of the Rex family. The coloring is simply magnificent.

Centre of leaf deep bronze, with a broad band of silvery rose, edged bronze and spotted rose.

AND OTHER FANCY VARIETIES.

Louise Closson.

CANNAS



Few flowering plants combine so many fine qualities as the modern Canna—a race of sub-tropical bulbous plants, of most easy culture, rapid reproduction, and good keeping qualities. The floral world has been astonished by their luxuriance of foliage and gracefulness of bloom, which is of immense size, borne in large masses and trusses, combining in color the brightest and richest shades of yellow, red, orange and scarlet, bringing them to the front as the finest ornamental plant in commerce. Useful for garden, greenhouse or sitting-room.

ALLEMANIA.—Exceptionally large flowers, frequently measuring 6½ inches across, the upper petals salmon with broad border and markings of golden yellow, while the lower petals is dark salmon marked with yellow in the centre; foliage dark green; 6 feet.

ALPHONSE BOUVIER.— This is probably the grandest and most effective crimson Canna grown. Height, 6 feet.

AUSTRIA.—Is a counterpart of Italia except in the color of its flowers, which are of a pure canary yellow, with but a few traces of small reddish-brown spots in the centre of the two inside petals; 6 feet.

BELLE OF BALTIMORE.—Bronze foliage, pink flower; 3½ feet.

BURBANK (NEW).—Very large flowering, rich yellow, with very substantial, heavy, light green foliage. Height, about 4 feet.

DUKE OF MARLBOROUGH.—Beautiful crimson maroon; the largest Canna grown. A sturdy, erect grower, with fine metallic green foliage; 4 feet.

FLORENCE VAUGHAN.—The finest yellow-spotted variety yet sent out. The foliage is massive and of rich green color; 4 feet.

LEONARD VAUGHAN.—Foliage bronze, large trusses of orange-scarlet flowers; 4½ feet.

MME. LEON LECLERC.—Ground color bright orange scarlet, with a heavy tip and narrow margin of yellow; 5 feet.

MADAME CROZY.—Flowers of dazzling crimson scarlet, bordered with golden yellow. A marvelous and rich combination of colors. The plant is of vigorous growth, yet very dwarf in habit, rarely exceeding 4 feet in height.

QUEEN CHARLOTTE.—This new German sort is one of the handsomest scarlet varieties ever introduced, having a distinct golden belt around each petal. 3½ feet.

FLAMINGO.—Crimson, growing about 3 feet high.

CHARLES HENDERSON.—Probably the most popular crimson Canna in cultivation, of uniform, compact habit, rarely exceeding 3½ feet in height.

MLLE. BERAT.—The nearest approach to a pink in a first-class bedder. Height, 4 feet.

BEAUTE POITEVINE.—A very dark crimson variety, with dark metallic-green foliage, and deep, rich, crimson flowers. 3½ feet.

SECRETAIRE CHABANNE.—Salmon-colored; rich and pleasing. Height, about 4 feet.

EGANDALE.—Fine dark variety; flowers of a soft currant red. 3½ feet

PAPA.—A fine red with large flowers and truss; 3½ feet.

ITALIA.—Is of a bright orange-scarlet, with a very broad yellow golden border. The flowers, which are produced on massive stems, about 16 inches long, are set well above the foliage which is large and heavy, similar to that of the Musa Ensente. 6 feet.

Any of the above, 12 inches high, in pots, 15c. each, **$1.50** per dozen **$10.00** per 100.

DRY OR DORMANT ROOTS (Leading Varieties), 5c. each. 35c. per dozen.

CARNATIONS . . .

FLORA HILL.—Probably the best known of all white Carnations. Entirely free from disease, and will furnish more flowers than any other white variety in our list.

GENERAL MACEO.—One of the richest and darkest colored Carnations. Dark crimson maroon. Flowers are good sized and produced freely and evenly throughout the season. Habit of growth is dwarf, yet rugged; stems stiff and wiry.

G. H. CRANE.—Regarded by many growers as the best scarlet ever introduced. The plant is strong, vigorous and healthy. The bloom is full and double, of large size, finely fringed and delicately perfumed. The color is rich, clear, brilliant crimson.

THE MARQUIS. — In our estimation this is one of the very best Carnations. The color is a true pink with no trace of magenta or purple; an exquisite shade, soft, yet rich, that is equally beautiful by artificial or daylight. Its form is perfect; full and double, with nicely raised center and fringed petals, very fragrant. In size 3 to 3½ inches in diameter.

Any of the above..... **10c.** each.
Per doz..... **$1.00**

THE MARQUIS.

Chrysanthemums.

LARGE SHOW VARIETIES.

PRICES, EXCEPT WHERE OTHERWISE NOTED.
15c. each; 5 for 50c.; $1.00 per dozen; $5.00 per 100;
ONE EACH OF THE 33 VARIETIES FOR $1.75.

TIMOTHY EATON (NEW). — Large pure white. 20c. each.
COL. APPLETON (NEW).-Large pure yellow. 20c. each.
AUTUMN GLORY.-Deep reddish-salmon when first opening, gradually changing to a soft shrimp pink.
COL. WM. B. SMITH.—A grand, deep yellow, of finest form and size.
CALLINGFORDI. — A fine shade of crimson.
EUGENE DAILLEDOUZE. — Bright, clear, yellow; extra.
GEORGE W. CHILDS.—The best deep self-colored crimson variety in existence.
GLORY OF THE PACIFIC.—A magnificent extra early pink.
GOLDEN WEDDING.—The grandest golden yellow ever introduced.
IVORY. — Snowy white; perfect form and early.
J. H. WOODFORD.—Shell or mermaid pink, strong stem, fine foliage.
LIBERTY.—Of beautiful form; color a clear rich yellow.
MAJOR BONNAFFON. — One of the best yellows.
MRS. F. BERGMANN.—One of the earliest and best whites.
MRS. J. I. WHILDIN.—A handsome light yellow.
MINERVA.—Large, vivid golden yellow.
MAUD DEAN.—An extra large-flowered variety; color pink, almost rose.
MINNIE WANAMAKER. — Creamy white, of very large size, and so much in-curved as to resemble a white ball.
MRS. S. T. MURDOCK.—Large deep pink, one of the latest.
MRS. JOHN GLESSNER.-Large, light yellow, in-curved, late.
MRS. PERRIN.—Rose pink, globular, in-curved.
MRS. O. P. BASSETT.—Japanese in-curved, clear light yellow.
MRS. H. WEEKS.-Japanese in-curved, snow white.
MODESTO.—One of the largest and prettiest yellow varieties.
NIVEUS.—A grand snow-white variety.
THE QUEEN. — Excels all in pure whiteness.
V. H. HALLOCK.—Rosy pearl of a waxy texture.
WM. H. LINCOLN. — A magnificent golden yellow variety.
EUREKA.-High-class porcelain white.
MRS. R. McARTHUR.—Magnificent crystal white.
MRS. JEROME JONES. — Large, creamy white.
ROSE OWEN. — A fine, early, light pink.
IVORY, PINK.—Shell pink.

HARDY POMPONE CHRYSANTHEMUMS.

PRICE—10c. each; 75c. per dozen; $5.00 per 100; one of each of the 59 varieties for $3.00.

THESE BEAUTIFUL small-flowered varieties are certain to become popular for outdoor bedding purposes. They are absolutely hardy, and produce an abundant profusion of blooms, and the plants lend a coloration to the garden just at a time when other plants have been destroyed by frost and are looking their worst. Frost does not materially affect the flowering, and it will frequently happen that an armful of flowers can be cut after a sharp frost. The collection we offer embraces all the leading colors, and, with but a slight covering of leaves or coarse stable litter during the winter, will take care of themselves after once planted.

ANNA MARY.—Creamy white.
BROWN BESSIE.—Terra cotta.
BRIDESMAID.—Clear, soft pink.
BEN HUR.—Very small pink.
BOB.—Delicate pink.
BLUSHING BRIDE.—Early, light pink.
CLIMAX.—Deep rosy pink.
CHIVVER.—Small, white.
DINIZULU.—Deep pink.
ELEGANTA.—Deep pink, white tip.
EAGLE de O'ER.—Good yellow.
EDNA.—Pink, light centre.
FLAG OF TRUCE.—Large, full white.
FAIRY QUEEN.—White, pink tip.
FRED. PEELE.—Small, light pink.
FIRE BALL.—Yellow, tipped white.
GOLDEN FLEECE.-Large, lemon yellow.
GLOBE d'OR.—Light yellow.
GOLDEN PHEASANT.—Golden yellow.
GOLD STANDARD.—Fine yellow.
GOLD NUGGET.—Deep orange.
GOLD FINCH.—Yellow, shading bronze.
HAPPY THOUGHT.—Rosy pink.
IVANHOE.—Deep pink, tipped white.
JULIA LAGRAVERE.—Dark bronze.
JACK.—Small, light pink.
KADAR.—Brown, yellow centre.
LABANAH.—Tall, white.
L'AMI CONDERSCHLERDT. — Small, white.
LA FAVORITE.—Delicate blush.
LITTLE PET.—Rose.
LADYSMITH.—Rosy lake.
MAID OF KENT.—White.
MR. KNAUF.—A beauty.
MR. SCHMIDT.—Small, yellow.
MRS. VINCENT.—Large, deep rosy pink.
NELLIE RAINSFORD.—Light bronze.
NAOMI.—Delicate blush.
NELLIE BLY.—Light pink.
PRINCESS LOUISE.—Bronze.
PRESIDENT.—Dark pink.
PRINCE OF WALES.—Best white.
PSYCHE.—Pale pink.
QUEEN OF BUL.—Tall, deep pink.
REGULUS.—Deep bronze.
ROSANANTE.—Late, pink.
RHODA.—Delicate pink.
SHESHAR.—Vermilion yellow.
SUNLIGHT.—Light bronze.
ST. ILLORIA.—Silver pink.
SOUVE McLAINE.—Good white.

L'AMI CONDERSCHLERDT.
(Pompone Chrysanthemum.)

TISRI.—Deep pink.
TIBER.—Early, yellow.
THALIA.—Fine white.
THOMAS LONG. — Light pink, tipped white.
VICTOR.—Very deep pink.
VUEVE CLIQUOTS.—Early, yellow.
YELLOW QUEEN.—Lemon yellow.
ZEFF.—White, tipped pink.

COLEUS.

FIFTEEN CHOICE VARIETIES.

10c. each; 6 for 50c.; 75c. per dozen; $4.00 per 100, by express, not prepaid.

DAHLIAS

POMPON VARIETIES.

15c. each; $1.00 per dozen; $4.00 per 100. By express, not prepaid.

CATHERINE.—Fine yellow.
ELFIN. — Pale primrose, changing to cream white.
ELEGANTA.—Soft pink, tipped deep pink.
FAIRY QUEEN.—Light sulphur yellow, edged with deep pink.
LELIA.—Flesh mottled, deep crimson.
VIVID.—Intense scarlet.
LITTLE PRINCE.—Red tipped, mottled deep crimson.
LITTLE HELEN.—Pure white.
LITTLE PET.—Soft pink, shaded with crimson.
LITTLE MASTER.—Deep maroon.
LITTLE BESSIE.—Quilled cream, white.
SNOW-CLAD.—Unquestionably the finest white.

THE ABOVE DAHLIAS CAN BE FURNISHED IN BULBS ALSO.
PRICE. 10c. per clump. $1.00 per dozen.

DAHLIAS

POT GROWN.

—CONTINUED.

Cactus and Decorative

Each..... 15c.
Per dozen..... $1.00
Per 100..... $4.00
By Express not prepaid

CAN FURNISH DAHLIAS IN BULBS.

PRICE.—10c. per clump. $1.00 per dozen.

BLACK PRINCE.—An intense velvety maroon; almost black.
CLIFFORD W. BRUTON.—The best yellow Cactus Dahlia; a clear rich yellow; very large.
GRAND DUKE ALEXIS.—Large massive flowers; ivory white, with faint tinge of rose at the extremities of petals. Double-quilled.
HENRY F. MITCHELL.—Very large; petals long; color from soft yellow to deep orange red.
JOHN H. ROACH.—The finest pure yellow Cactus Dahlia to date.
JOHN ELITCH.—Large, perfectly formed; deep, rich red.
KING OF CACTUS.—Deep, brilliant crimson, shaded with maroon.
LYNDHURST.—Deep glowing scarlet; large and full.
MISS JENNINGS.—Combination of yellow, salmon and pink.
NYMPHAEA—A beautiful delicate pink, shading to blush at centre.
ORANGE KING.—Yellow orange.
WM. AGNEW.—An intense glistening scarlet crimson of immense size.
WILHELM MILLER.—Brilliant purple; extremely free; flowers large and distinct.

FANCY SHOW VARIETIES.

15c. each. $1.00 per dozen.

ALICE.—Deep lilac.
APPLE BLOSSOM.—Nearly all colors of the apple blossom.
A. D. LIVONII.—Sea-shell pink.
ARABELLA.—Sulphur-tipped pink.
DANDY.—Lilac and maroon.
ELECTRIC.—Pinkish lilac.
FRANK SMITH.—Rich dark-purplish maroon, tipped pinkish white.
FERN LEAF BEAUTY.—White, striped with crimson margin.
JOHN KYNES.—Yellow-tipped scarlet.
KEYSTONE.—Pink, striped with crimson; very large.
LOTTIE ECKFORD.—White, spotted with pink and crimson
LE PHAR.—Scarlet.
MISS MAY LOMAS.—White, tipped with lavender.
MME. ZELLER.—Yellow, edged with pink.
M. E. HALLOCK.—Clear yellow.
MAID OF KENT.—Variegated crimson and white.
MT. BLANC.—Large white, tipped pink.
MRS. GLADSTONE.—Delicate shell pink.
NEGRO.—Dark maroon, with fringed petals tipped with white.
ORANGE KING.—Brilliant orange.
PURITY.—Large pure white.
PLUTON.—Fine yellow.
PERII.—Large white, tipped and edged with pink.
RUBY QUEEN.—Clear ruby red.
SNOW CLAD.—Dwarf, white; an early bloomer.

GERANIUMS

MAD. JAULIN.

YOUR SELECTION:
15c. each; 5 for 50c.; $1.00 per dozen; 30 for $2.00.
OUR SELECTION:
15c. each; 6 for 50c.; 90c. per dozen.

AMERICA (SINGLE).—A great improvement on Mars. Very rich pink, with white border around each flower.
ALPHONSE RICCARD (DOUBLE).-Bright orange red.
BEAUTE POITEVINE.-Rosy salmon, tinted from deep orange to salmon; double.
CENTAURE.—Splendid shade of pink; double.
DRYDEN (SINGLE).—Centre pure white, surrounded by a band of the most dazzling rosy scarlet, producing the "Aureole" effect.
DOUBLE GEN. GRANT.—Clear vermilion red; double.
COUNTESS De HARCOURT.—Very fine; double; pure white.
GILLIAN M. GILL.—Free bloomer; pleasing shade of crimson; double.
GENERAL De BOISDEFFERE.—Deep cherry salmon; double
JOHN DOYLE.—Rich, brilliant, vermilion scarlet; double.
LA PILOTE.—Bright glowing scarlet; double.
LA FAVORITE.—Finest of all double whites.
LE CID.—Grand velvety red; double.
MAD. JAULIN.—Delicate pink; borders pure white; double.
MISS FRANCIS PERKINS.—Grand bright pink; double.
MARQUISSE DE MONTMORT.—Deep, brilliant carmine purple; double.
MAD. BARNEY.—Splendid pure deep pink; double.
MISS KENDELL.—Dark maroon, marked with red; double.
S. A. NUTT.—Large, dark rich crimson; single.
GRANVILLE.—Clear, rosy pink; stands sun well; single.
JACQUERIE.—Large, velvety, dark crimson-scarlet; single.
L'AUBE.-Pure snow-white; single.
MRS. E. G. HILL. — Soft light salmon, bordered with rosy salmon; single.
MAD. BRUANT. — White veined, with carmine lake; single.

SWEET-SCENTED GERANIUMS.
Balm, Rose, etc.; six varieties. 15c. each; 5 for 50c.; 30 for $2.00.

IVY GERANIUMS from 2½ inch pots 15c., 5 for 50c.

FUCHSIAS.

10c. each. $1.00 dozen.
BLACK PRINCE.—Bright waxy carmine; pink corolla.
GLOIRE DE MARCHES.—Grand double white.
ROSAINS PATRI. — Large white corolla.
SPECIOSA.—Very free.

BLACK PRINCE.

GRIFFITH & TURNER CO.

HELIANTHUS MULTIFLORUS PLENUS (Dahlia Sunflower).—Loaded with yellow flowers; excellent cut flower. Hardy perennial. **15c.** each; 2 for **25c.**

MOON FLOWER.—Blue and white. **10c.** each; 6 for **50c.**; **$1.00** per dozen.

"MIKADO" FERN BALL.

THE BEST HOUSE PLANT NOVELTY IN TEN YEARS.

THESE balls consist of Fern roots about the size of a pencil, woven outside and around a ball of moss. These roots produce beautiful sprays of Ferns from eyes or buds at nearly every inch of their length. Thus the whole surface of the ball soon becomes covered with Fern sprays. They may be suspended in any part of the room or grown on a stand or table. To use in Fern dish, cut ball in halves, placing flat side down, thus getting two dishes of beautiful Ferns.

PRICES.—Dormant Balls, first size, **30c.** each, three for **75c.**; large size, **35c.** each, three for **$1.** By mail, **10c.** extra.

Postage extra **5c.** each, if wanted by mail.

HELIOTROPE.

Old-time favorites, popular on account of their fragrant blossoms.

They thrive equally well on the lawn or in the house.

10c. each; 6 for **50c.**; **$1.00** dozen.

PÆONIES.

ONE of the most popular hardy plants grown for lawn and garden decoration, or for mingling with shrubs for herbaceous plants in borders and wild gardens.

DOUBLE WHITE. **25c.** each; **$2.50** per dozen.

DOUBLE ROSE. **25c.** each; **$2.50** per dozen.

DOUBLE CRIMSON. — **25c.** each, **$2.50** per dozen.

THE "BABY" PRIMROSE.

(Primula Forbesii.)

A very attractive variety, blooming most profusely during the winter and spring; in fact, it blooms continuously for nine months. The sprays of rosy lilac flowers are very graceful and exceedingly useful for cut flowers. Is easily grown in the house. Price, **25c.** each, **$2.25** per dozen.

RUBBER PLANTS. (Ficus Elastica.)

A very graceful, ornamental plant with broad, glossy leaves of deepest green. **50c.** each.

DOUBLE VIOLETS.

LADY HUME CAMPBELL.—Its excelling merit is its strong, healthy constitution. Light purple flowers.

SWANLY WHITE.—The best white double Violet.

Good plants of either of the above varieties at **$1.00** per dozen, 25 for **$1.50**, or **$5.00** per 100.

PANSIES.—GOOD VARIETIES.

G. & T. Co.'s Choice Mixed, **15c.** each; 6 for **50c.**; **$1.00** dozen.

PALMS.

First Size, . $1.00
Second Size. .50

ARECA LUTESCENS. This majestic Palm is without a peer for strength and elegance combined. (See cut.)

KENTIA BELMOREANA.

This is sometimes called the "Curly Palm," and is recognized as among the best for all purposes. Our plants are of stout, stocky growth, and are sure to give satisfaction.

LATANIA BORBONICA.

Chinese Fan Palm.

Of easy culture and rapid growth. Large, broad, fan-shaped, glossy, dark green leaves.

COCOS WEDDELIANA.—Admirable for fern-dishes, as they are of slow growth and maintain their beauty for a long time.

PANDANUS UTILIS.—As a vase plant or single specimen in greenhouse or conservatory it cannot be surpassed.

BOSTON FERN.—It is a very fine plant for hanging pots or baskets on the piazza in summer and conservatory or window in winter.

Grevilea Robusta.

(SILK OAK.)

A beautiful and graceful foliage plant; highly valued as a decorative plant for the table, and when large for tropical lawn effects; tender perennial; 3 to 5 feet. **15c.**; 2 for **25c.**

Salvia Silver Spot.

The most distinct feature of this novelty is its strikingly handsome spotted foliage. The leaves are covered with sulphur-yellow spots of various sizes; flowers are bright scarlet and large size. **60c.** per dozen; **$4.00** per 100.

SALVIA CLARA BEDMAN, OR BONFIRE.

Dwarf. The fire-like appearance of the flowers standing erect among the green foliage gives the plant a most gorgeous appearance. **60c.** dozen; **$4.00** per 100.

SILVER SPOT.

Cyperus Alternifolius.

UMBRELLA PLANT.

A splendid aquatic plant, throwing up stems two to three feet high, surmounted at the top with a whorl of leaves. An excellent plant for growing in water or damp places, thriving in any good soil and always presenting a fresh, green, attractive appearance. **15c.** each; 2 for **25c.**

SALVIA SPLARDENS.—Scarlet Sage. Tall, erect, green foliage. The well-known Salvia. **60c.** dozen; **$4.00** per 100.

VERBENAS.

Ten named varieties, **10c.** each; 6 for **50c.**; **75c.** per 100.

HARDY WATER LILIES.

The ease with which Water Lilies and Aquatics are cultivated, the certainty of handsome results the same season they are planted, the magnificent flowers of great variety of form and color, their delicate perfume and the great fascination in growing them, is making the water garden widely popular. The small-growing varieties may be grown in half-barrels or tubs. We do not, unless specially ordered, send out Water Lily plants until warm weather, about the middle of May. The tubs should have a hole in the side and kept plugged for the purpose of drawing off the water occasionally. The tubs containing the Lilies may be set in a cellar or any place where they will not freeze solid, and be ready to set out in the spring.

NYMPHAE ODORATA.

The well-known, fragrant pond lily. Its lovely pure white flowers, so common in some localities, are worthy of a place among the choicest varieties where cultivated.

15c. each. 4 for 50c. $1.25 per dozen.

NYMPHAE ODORATA GIGANTEA.

This is a superb variety, and should be in every collection. Similar in all respects to Nymphæ Odorata, but the flower is very large and full.

15c. each. 4 for 50c. $1.25 per dozen.

NYMPHAE ODORATA MINOR.

A pretty little variety of our native pond lily, equally as hardy and fragrant, but the flowers and leaves are much smaller.

15c. each. 4 for 50c. $1.25 per dozen.

PINK CAPE COD WATER LILY.

It possesses all the desirable qualities of Nymphæ Odorata. The flowers are of large size,; cup-shaped; a lovely deep pink in color; delicious fragrance and free bloomer; a most desirable variety.

40c. each. $3.50 per dozen.

FLOWER TUBS.

COLUMBIA, NO. 1 PLAIN.

Made of Cypress. Natural varnish finish on the wood, or if wanted can finish them in oil paint, but to order only.

12 inches in diameter by 11 inches high.
Each $1.00

15 inches in diameter, by 14 inches high.
Each $1.50

18 inches in diameter, by 16½ inches high.
Each $2.00

21 inches in diameter, by 18½ inches high.
Each $2.50

24 inches in diameter, by 20½ inches high.
Each $3.00

IRIS.

JAPANESE IRIS.

(KAEMPFERI.)

These magnificent Japanese Iris are among the most beautiful of our summer flowering plants, and are destined to become great favorites. They commence flowering early in July, and continue in bloom for five or six weeks if plentifully supplied with water while growing and flowering. Many of these flowers measure from 10 to 12 inches in diameter, and almost rival the Orchids in their rich colorings and markings.

Each, 15c. Four for 50c.

ENGLISH IRIS.

(ANGLICA.)

Large, handsome flowers with rich purple, blue and lilac colors predominating; grows 18 to 20 inches high; perfectly hardy. Mixed varieties. 20c. per dozen, $1.25 per 100. If by mail, add 5c. per dozen for postage.

GERMAN IRIS.

(IRIS GERMANICA.)

This variety is the true "Fleur-de-Lis," the national flower of France. They are perfectly hardy, thrive anywhere, grow and bloom luxuriantly, particularly if plentifully supplied with water or if planted in moist situations, as on the banks of ponds, etc. Plants well established produce from 50 to 100 spikes of bloom, deliciously fragrant and fine for cutting. In beauty the flowers rival the finest Orchids, colors ranging through richest yellows, intense purples, delicate blues, soft mauves, beautiful claret reds, white, primroses, and bronzes of every imaginable shade. Mixed varieties. 20c. dozen, $2.00 per 100. Ready in November.

SPANISH IRIS.

Excellent for pot culture, and are now being grown for cut flowers. Plant in the open ground in autumn and protect slightly during the winter months. Early in April cover the beds with glass and flowers will be ready for cutting in May. Mixed varieties, per dozen, 10c., 40c. per 100. If by mail, add 5c. per dozen for postage.

U. S. FLOWER TUBS.

Cypress, painted green; iron feet and iron bound.

No. 1—13x11.
Each ..... 75c.

No. 2—14½x13.
Each $1.15

No. 3—16x15.
Each $1.50

No. 4—20x18.
Each $2.00

No. 5—24x21.
Each $2.50

GRIFFITH & TURNER CO

ROSES

METEOR.

Hardy Hybrid Perpetual

METEOR.—A velvety red ever-bloomer of the deepest glowing crimson, as fine as a hybrid. Flowers very double and petals slightly recurving. A beautiful open Rose, a free bloomer and promising well as a pot Rose. 50c. per dozen; **$3.00** per 100.

AMERICAN BEAUTY.—This variety has been rightly described as an ever-blooming hybrid perpetual. The flowers are very large and double; color, a deep rich rose. The fragrance is delightful. Each shoot produces a bud.

COQUETTE DES BLANCHES.—Pure white; very free blooming. One of the best white Roses.

DUCHESS DE BRABANT.—Beautiful buds, deep rosy-pink, edged with silver; blooms quickly and constantly; one of the best.

LA FRANCE.—Undoubtedly the most perfect type of a cut-flower Rose. No variety surpasses it in delicate coloring—silvery rose, with a satiny sheen over all its petals. Flower large, with the well-known fragrance.

MAD. CAROLINE TESTOUT.—Flowering freely all summer. Beautiful satiny pink flowers. One of the best.

PAUL NEYRON.—Deep, shining pink. Flowers often five inches in diameter. It is a good, strong grower; almost thornless.

SOUVENIR DE LA MALMAISON (Bourbon).—Creamy flesh, bright and clear. The flower large and double; very fragrant.

SOUVENIR DU PRES. CARNOT.—The growth is vigorous, the flower is very large, both in the bud and expanded; opens beautifully. Rosy flesh, very soft in the centre, and shaded with a lighter flesh at the end of the petals.

THE FOLLOWING LIST OF ROSES WAS ADOPTED BY THE GARDENERS' CLUB AS BEING THE BEST AND MOST DESIRABLE VARIETIES.

PRICES:

1 dozen choice mixed, two years old, **$5.00.**
50c. each.

1 dozen choice mixed, six months old, **$1.25.**
4 for **50c.** **15c.** each.

THE MOSS ROSE is as hardy as any Rose can be, and an extra vigorous grower. They are much admired on account of their bright, healthy foliage and mossy-like covering of the buds. While they bloom but once a year, the flowers are large, beautiful and plentiful.

HENRI MARTIN.

Large, globular flowers, full and sweet; rich, glossy pink, tinged with crimson.

LUXEMBURG

Bright crimson; large and beautifully mossed.

PRINCESS ADELAIDE.

Fine large flowered; very double and fragrant; color bright rosy pink.

GENERAL JACQUEMINOT.

Too well known to require lengthy description. It still holds first place among the dark red Roses and is one of the most satisfactory to grow. A rich crimson scarlet, simply a mass of bloom when at its best.

GRIFFITH & TURNER CO

ROSES—CONTINUED.

HYBRID TEA ROSES.

(Rosa Judica.)

1 doz. mixed, 2 yrs. old, $5.00; 50c. each; 1 doz. mixed, 6 months old $1.25; 4 for 50c.; 15c. each.

THE GRAND NEW ROSE

Liberty

NEVER has nature yielded to the painstaking hybridist and plant-raiser a more beautiful or more satisfactory color than that seen in the new Hybrid Tea Rose, "Liberty," which today marks the limit of glorious deep, yet bright coloration in a family by no means deficient in warm, rich hues of crimson red. The flowers are of large size with thick, heavy petals. A continuous and free bloomer, and we predict a great future for this grand Rose.

BON SILENE.—Brilliant carmine.

WHITE MAMAN COCHET.—This is a superb variety. Snow-white. The flowers are large and very double, making it of more than ordinary value in open ground.

A BEAUTIFUL NEW TEA ROSE—MAMAN COCHET.—One of the very best and most valuable Roses of recent introduction, especially for outdoor blooming. The finest pink garden Rose yet introduced. The flowers are of great size and very double; color, bright rose.

HERMOSA.—Clear bright pink.

SAFRANO.—Buff, tinted apricot.

ETOILE De LYON.—Flowers very large and double and always full of bloom, deliciously fragrant; color, chrome-yellow, deepening in centre to pure golden yellow.

CLOTHILDE SOUPERT.—This is the most famous pot and bedding Rose (Polyantha Tea). Its charming coloring, shading from pearly white to purest rose, double blossoms, delightful fragrance, wonderful vigor and freedom of bloom combine to make it a most beautiful Rose.

MARIE VAN HOUTTE.—Yellow, shaded rose.

PERLE DES JARDINS.—No Rose of its color is more valuable than this. Its color is a rich shade of yellow, large size and perfect form, Tea fragrance; a healthy, free grower.

BRIDESMAID.—The flowers are very large and of fine, regular, full form, delightfully tea-scented; color, clear rose-pink. A free and constant bloomer; makes elegant buds for cutting.

DUCHESS OF ALBANY.—Rich, deep pink. An improvement on the well-known Lafrance.

HARDY CLIMBING ROSES.

CLIMBING CLOTHILDE SOUPERT.

THIS grand new Rose is of the climbing form of the well-known and popular Rose, Clothilde Soupert. It is a vigorous grower, forming canes fifteen feet in one season, and covered with large clusters of flowers all summer. Flowers are large, double and a beautiful shell pink, forming the buds in clusters. Perfectly hardy and will stand any kind of weather. We cheerfully recommend it as the best of all the hardy everblooming Roses.

WHITE MICROPHILLA OR MAGNOLIA ROSE.

Rich, creamy white; the most deliciously fragrant of all Roses; has strong resemblance to the odor of a magnolia; hence its name. Strong, rapid grower; leaves small; very hardy; constant bloomer. This is not a new Rose, but the old-time climber that was so extensively grown in ante-bellum days, and now coming to the front as one of the great climbers.

CLIMBING METEOR.

This Rose might be called a "Perpetual Blooming Climbing Jacqueminot." It is a Rose which will make ten to fifteen feet growth in a single season, and blooms almost constantly. Flowers large and of that rich, dark, velvety crimson color seen only in the Jacqueminot. Strong, well-rooted plants.

REINE MARIE HENRIETTE.

Cherry-red; a beautiful, lively shade. Buds long and pointed.

CRIMSON RAMBLER.

Of Japanese origin and quite hardy, with strong shoots that climb high in a season, or may be cut back into handsome bush form. The foliage is noticeably distinct and handsome, light glossy green, thick and leathery. The flowers are produced in great pyramidal panicles of brilliant crimson. As a decorative pot plant it is also strikingly effective.

KAISERIN AUGUSTA VICTORIA.

A beautiful Rose with elegant, large pointed buds and very large, full double flowers; color delicate creamy white, deliciously fragrant.

The plant is a strong, healthy grower and constant bloomer.

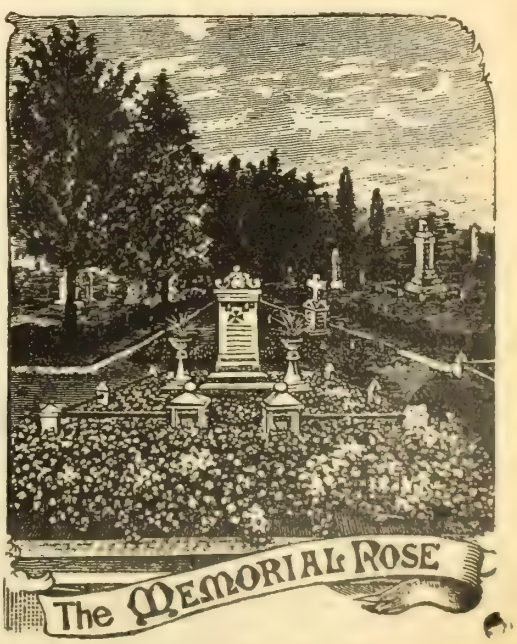
Hardy Memorial Rose.

Rosa Wichuriana.

FOR USE IN CEMETERIES.

It is difficult to conceive anything more appropriate, beautiful and enduring for covering graves and plots in cemeteries than the Hardy Memorial Rose.

It creeps along the ground almost as closely as the Ivy, growing ten feet in one season, and forming a dense mat of very dark green, lustrous foliage.



GRIFFITH & TURNER CO.

NURSERY DEPARTMENT.

FRUITS.

SUMMER APPLES.

YELLOW TRANSPARENT.—Ripens among the earliest. July.
50c. each. $4.80 per dozen. $18.00 per 100.
STAR.—One of the best. July.
50c. each. $4.80 per dozen. $18.00 per 100.

AUTUMN APPLES.

GRAVENSTEIN.—August.
50c. each. $4.80 per dozen. $18.00 per 100.
OLDENBURG (Duchess of Oldenburg.)—August.
50c. each. $4.80 per dozen. $18.00 per 100.

WINTER APPLES.

LANKFORD'S SEEDLING.—A popular sort for late winter use.
50c. each. $4.80 per dozen. $18.00 per 100.
YORK IMPERIAL, or JOHNSON'S FINE WINTER.
50c. each. $4.80 per dozen. $18.00 per 100.
STAYMAN'S WINESAP.—A great Apple.
50c. each. $4.80 per dozen. $18.00 per 100.

ADDITIONAL VARIETIES.

("S" means Summer. "A" Autumn. "W" Winter.)
Red Astrachan, S. Carolina Red June, S. Tetofsky, S. Fall Pippin, A. Smokehouse, A. Ben Davis, W. Bentley's Sweet, W. Berry Red, W. Fallawater, A. Winesap, W. Nansemond Beauty, W. Rome Beauty, W.
25c. each. $2.50 per dozen. $15.00 per 100.
CRAB APPLES.—50c. each. $5.00 per dozen.

PEARS.

KOONCE.—Medium to large, very handsome; surface yellow, one side covered with a bright carmine, containing brown dots; quality very good, spicy, juicy and sweet. The Koonce is a vigorous grower, free from blight, productive, and an annual bearer.
50c. each. Three for $1.25.
VERMONT BEAUTY.—In color it is a rich yellow, with a beautiful bright carmine cheek. The fruit is of medium size, and the flesh is of the finest quality, being rich, juicy and aromatic.
50c. each. Three for $1.25.
GARBER.—September and October. Said to be blight proof.
40c. each. $4.00 per dozen. $25.00 per 100.
KEIFFER.—The old, well-known, reliable and paying variety.
40c. each. $4.00 per dozen. $30.00 per 100.
FLEMISH BEAUTY, BARTLETT, SECKEL.
30c. each. $3.00 per dozen. $25.00 per 100.

DWARF PEARS.

PRICES ON DWARF PEARS, 2 and 3 years, first-class:
25c. each. $2.50 per dozen. $15.00 per 100.
The following varieties succeed well as dwarfs.

Angouleme, Anjou, Lawrence, Seckel, Manning's Elizabeth.

PEACHES.

CARMAN.—Hardy, rot-proof. Ripens with Early Rivers; almost as large as Elberta. Pale yellow skin; flesh white. Melting, juicy. Ripens ahead of Mountain Rose.
50c. each. $4.80 per dozen.
ELBERTA.—Needs no description.
25c. each. $3.00 per dozen.
ITALIAN DWARF.—Very singular tree. Begins bearing when 12 to 15 inches high and seldom exceeds 3 or 4 feet. Fine for small yards. White; free-stone.
25c. each. $3.00 per dozen.
GOLDEN DWARF.—Seldom grows over 4 to 5 feet. Very hardy; cling. Excellent eater. Fine for city yards.
25c. each. $3.00 per dozen.
Alexander, Louise, Yellow St. John, Mountain Rose, Early Silver, Crawford Early, Wheatland, Crawford Late, Chairs Choice, Family Favorite, Chinese Cling, Old Mixon, Reeve's Favorite, Christiana, Smock Free, Globe, Ringgold Cling.
18c. each. $1.75 per dozen. $12.00 per 100.

JAPANESE OR ORNAMENTAL PLUMS

HALE.—Most vigorous tree of all the Japans. Fruit large; bright orange, mottled with cherry red. Superb in quality. Ripens middle of September.
Price, $1.00. Three for $2.50.
WILLARD.—Earliest of all Japan Plums, and hence very valuable for market.
50c. each. Three for $1.25.
WICKSON.—Pit small; flesh tender, sweet and delicious. Season just following the Burbank Plum.
50c. each. Three for $1.25.
Will sell one of each of above or the three in one order for $1.50.

BOTAN, OR ABUNDANCE.—First of August.
BURBANK.—September 1st.
The two above-named varieties, 60c. each. Three for $1.50. Six for $2.75. $4.50 per dozen.
ADDITIONAL FRENCH AND AMERICAN VARIETIES, INCLUDING SHROPSHIRE DAMSON.
35c. each. $3.50 per dozen.

CHERRIES.

HEART.—Black Tartarian, Gov. Wood, Napoleon Bigareau, Florence, Mercer.
DUKE AND MORELLO.—Dye House, Belle Magnifique, Early Richmond, Montmorency.
Price, 50c. each. $5.00 per dozen.

APRICOTS.

HARRIS.—Very hardy; blooms late; sure bearer; fine golden yellow. **50c. each. $4.80 per dozen.**
RUSSIAN VARIETIES AND NECTARINES.
25c. each. $2.50 per dozen.

NUT-BEARING TREES.

Spanish Chestnut, English Walnut, Paper Shell Pecan, Filberts, Shell Barks, Hard and Soft Shell Almonds.
Price, 40 and 50c. each, according to variety.
JAPAN CHESTNUT.—$1.00 each. $10.00 per dozen.

GRAPES.

The following list contains the best-known sorts of hardy American varieties :
OHIO, Black.—One of the very best Two years old.
25c. each. $2.50 per dozen.
Brighton, Red. Concord, Black. Delaware, Red. Martha, White. Worden, Black.—Two years old.
25c. each. Twelve for $2.50.
Moore's Early, Black. Niagara, White. Pocklington, White. Vergennes, Red.—30c. each. $3.00 per dozen.
Campbell's Early.—50c. each. $5.00 per dozen.

SELECT QUINCES.

CHAMPION (3 to 4 feet).—35c. each. $3.00 per dozen.
CHAMPION (2 to 3 feet).—30c. each. $2.50 per dozen.
MEECH PROLIFIC (3 to 4 feet).—35c. each. $3.00 doz.
MEECH PROLIFIC (2 to 3 feet).—30c. each. $2.50 doz.

ORNAMENTALS.

DECIDUOUS TREES.

Can furnish any of the Deciduous Trees at 50c. to 75c. each, and larger quantities in proportion.
SPRUCE (2 to 2½ feet).—50c. each. $5.00 per doz.
FIRS (2 to 2½ feet.)—75c. each. $7.50 per dozen.
Other Varieties in Proportion.
MAGNOLIA, GRAND (2 to 3 feet).—$1.25 each.

SHRUBBERY.

JAPAN MAPLES.—Mostly dwarf habit; several kinds weeping and cut-leaved, with brightly-colored foliage, red, purple, etc. These are indeed remarkable for beauty, and wherever planted give perfect satisfaction. **$1.50 each.**
DEUTZIA GRACILIS.—75c. each.
DEUTZIA CRENATA.—75c. each.
LILAC (White and Blue).—75c. each.
SPIREA, RIEVESII.—75c. each.
SPIREA, BUMALDO.—75c. each.
SPIREA, CALOSA ALBA.—75c. each.
HYDRANGEA, PANICULATA GRAND.—75c. each.
CRAPE MYRTLE.—$1.00 each.

VINES.

AKEBIA QUINATA.—50c. each.
AMPELOPSIS VEITCHII.—50c. each.
ENGLISH IVY.—50c. each.
WISTARIA PURPURIA.—50c. each.
WISTARIA ALBA.—50c. each.
CLEMATIS (Large Flowering).—50c. each.
CLEMATIS (Small Flowering).—50c. each.

HEDGE PLANTS

CALIFORNIA PRIVET :
One Year—$4.00 per 100. $35.00 per 1000.
Two Years—$5.00 per 100. $40.00 per 1000.
OSAGE ORANGE :
One Year—75c. per 100. $7.50 per 1000.
Two Years, $1.25 per 100. $10.00 per 1000.
AMERICAN ARBORVITAE :
12 to 18 Inches—25c. each. $12.50 per 100.
2 to 3 Feet.—75c. each. $22.50 per 100.

FOR VEGETABLE AND FLOWERING PLANTS, SEE PLANT PAGES.

GRIFFITH & TURNER CO.

STRAWBERRY PLANTS.

Varieties Marked "P" Should Have Another Perfect Flowering Sort Near Them.

WE offer a nice stock of Strawberry Plants of all the leading varieties, and at low prices, considering the quality of the stock. We can supply them at short notice, freshly dug and shipped direct from the nursery.

JESSIE.—Mid-season; good size and productive.

NICK OHMER.—Mid-season. This is probably not surpassed in healthy, vigorous growth and great productiveness. Fruit large, glossy red, of excellent flavor.

BEDERWOOD.—Early and of medium size.

GLEN MARY NEW.—A very large variety; larger than Sharpless or any other berry. In quality it is equal to the best, and surpasses even the Crescent for productiveness in quarts of berries. At its home, in Chester County, Pa., it begins to ripen about May 28. Everyone should try this excellent variety.

CLYDE.—Among new varieties, possessing points of excellence, Clyde stands first on the list. Fruit large, firm and of light scarlet color.

LADY FINGER.—A very long berry of beautiful appearance and very valuable because of its habit of holding good size to the end of the season. In season from medium to very late.

BRANDYWINE.—Very late, strong grower; productive.

TENNESSEE PROLIFIC.—Large, sweet, firm.

KENTUCKY.—Medium to late.

GANDY.—Late. Fine for canning.

MICHEL'S EARLY.—Very early.

BUBACH (P.)—Medium to late.

TUBBS.—Very early.

SHARPLESS.—Old reliable.

WILSON.—Old standard sort. Medium, early.

CUMBERLAND.—Medium, very large, juicy, of good flavor. Productive.

CRIMSON CLUSTER.—Late. One of the finest yet introduced.

HOFFMAN.—This berry is a money maker for the grower. Medium size, firm and good quality and productive.

JOHNSON'S EARLY.—One of the finest early berries grown. Do not let it get too thick. Properly cared for it is the most prolific berry known.

ZEITZER'S EARLY.—For an extra early berry this is best of all. Good shipper. Very productive for so early a berry. Ahead of Michel's in size and productiveness.

AN EXCELLENT FAMILY COLLECTION.

ZEITZER'S EARLY. GLEN MARY.
LADY FINGER. CRIMSON CLUSTER.
75c. per 100, or 100 of each for $2.00.

PRICE: Any of the above Varieties, Strong, Healthy Layers, 25 Cts. per Doz.; 75 Cts. per 100; $4 per 1,000.

POT-GROWN PLANTS will be ready for delivery after August 1st. Prices for pot-grown plants are from $3.00 to $4.00 per hundred, according to variety.

Raspberries.

KANSAS (Black Cap.)

KANSAS (Black Cap.)

IT possesses all the valuable attributes of a profitable market sort and its large size and handsome appearance insures for it always a ready sale and good prices. The fruit is handsome, firm and of fine quality. Its canes are of strong growth, entirely hardy and prolific, with tough, healthy, clean foliage. Its season is about second early—later than Souhegan, but earlier than Gregg. By reason of its greater hardiness it is a great improvement upon the Gregg.
75c. per dozen. $3.50 per 100.

MILLER RED.—Fruit size of Cuthbert; bright red; does not fade; core very small; ripens very early; heavy bearer; best shipper.
75c. per dozen. $3.50 per 100.

MUNGER.—Resembles Gregg, but much finer. One of the best of the black caps. Perfectly hardy.
75c. per dozen. $3.50 per 100.

GOLDEN QUEEN, CUTHBERT. OHIO AND SOUHEGAN.
50c. per dozen. $3.00 per 100.

BLACKBERRIES.

ELDORADO.—Berries very large; jet black; sweet, melting; no hard core; splendid keeper and shipper.
75c. per dozen. $3.50 per 100.

WILSON, JR.—Very early. **ERIE.**—Early.

EARLY HARVEST.

LUCRETIA (Dewberry.)—As early as Early Harvest and as large as Wilson. Plant is entirely hardy, healthy, strong grower and very productive.
Any of the above, 50c. per dozen. $3.50 per 100. By express.

CURRANTS.

CHERRY.
Price—60c. per half-dozen, $1.00 per dozen, $6.00 per 100, by express.

FAY'S PROLIFIC.—The best Red Currant. Strong grower, wonderfully productive, and comes to bearing young; fruit large, bright red and good quality.
Price—75c. per half-dozen, $1.25 per dozen, by express.

WHITE GRAPE.
Price—60c. per half-dozen, $1.00 per dozen, $5.00 per 100, by express.

JAPAN WINEBERRIES.

This fruit is but little known, but should be in every garden. It is wonderfully productive. At this date, June 20, our beds are one solid mass, about three feet high, and covered all over the top with fruit as thick as clover in blossom.

Price—$2.00 per dozen, by express.

ORANGE (Hardy.)

GOOSEBERRIES.

DOWNING.

Price—Two-year-old, 75c. per half-dozen, $1.50 per dozen, $5.00 per 100, by express.

HOUGHTON'S SEEDLING.

Price—50c. per half-dozen, $1.00 per dozen, $5.00 per 100, by express.

JAPAN HARDY ORANGE.

(Citrus Trifoliata.)

A NEW hardy Orange. Has of late created quite a sensation North, from the fact that it is perfectly hardy; it blooms and fruits profusely in the parks of Philadelphia and New York. To have a fruiting Orange tree in your garden is certainly something to be proud of; its large, white, sweet-scented flowers are produced in the greatest abundance before the fruit appears. Well adapted for hedges, making a close, compact growth that nothing can penetrate. Such a hedge when in bloom and fruit is certainly one of the greatest sights to be seen. Fruit small, bright orange red in color, has a peculiar flavor, fine for preserving.

Price—Three years, by freight or express, 50c. each, $3.50 per dozen, $15.00 per 100.

FOR VEGETABLE AND FLOWERING PLANTS, SEE PLANT PAGES.

Horticultural Tools and Supplies.

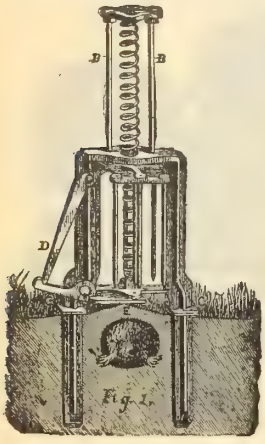


Fig. 1.

Fig. 2.

Fig. 3.

Fig. 8.

Fig. 5.

Fig. 6.

Fig. 7.

Fig. 4.

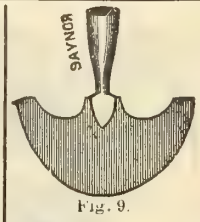


Fig. 9.

Fig. 10.

Fig. 12.

Fig. 13.

Fig. 14.

Fig. 11.

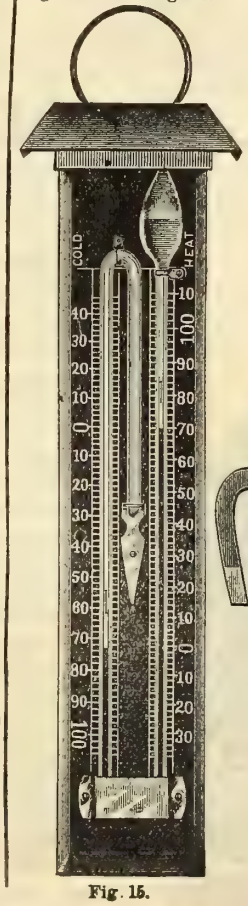


Fig. 15.

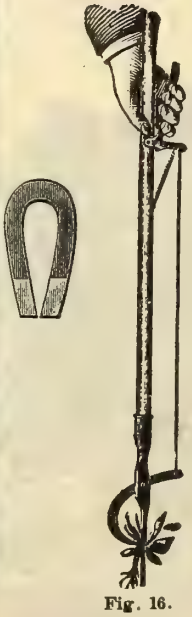


Fig. 16.

L. M. OLMSTEAD'S IMPROVED RELIABLE MOLE TRAP.—Fig. 1.

NO CHEAP TRAP SO GOOD. NO GOOD TRAP SO CHEAP.

Springs are furnished to operate the trap. The spring can be readily attached and detached.

This trap is constructed entirely of steel and iron. Each trap is packed in a strong paper pox, one dozen in a case.

Price $1.50

OUT OF SIGHT MOLE TRAP.—Fig. 2.

Considered to be one of the best and cheapest Mole Traps on the market.

Especially valuable for hot-beds and frames on account of its convenient size.

Price $1.00

THE MODEL MOLE TRAP.—Fig. 3.

This, while possessing all the good qualities of other traps, is especially adapted for setting under glass.

Price $1.75

G. & T. MOLE TRAP.

This is a good Mole Trap for the money.

Price $1.00

THE LITTLE GIANT MOLE TRAP.

Self-setting by pressing down on lever. Very convenient feature found on no other trap. Made from Best Spring Steel, thoroughly Galvanized. Simple and durable in its construction..... 75c.

GARDEN REELS.—Fig. 4.

Small Size	$ .75
Large Size	1.00

EXCELSIOR WEEDER.—Fig. 5.

Price, 10c.; mailed, 15c.

LARGE HAND WEEDER.—Fig. 6.

Malleable Iron Hand Weeder	15c.
Solid Steel Hand Weeder	25c.

By mail, 10c. extra.

DIBBERS.

For transferring plants. By far the best thing for the purpose ever introduced. Fig. 7.

Straight, D handle, Iron ..... 50c.

Fig. 8.

Right-angle shape, Steel-Polished, Wood Handle ..... 40c.

EDGING KNIVES.—Fig. 9.

9 in. American	$ .50
8 in. Eng. Black	1.25
8 in. Eng., all Bright	1.50
9 in. Eng. Black	1.35
9 in. Eng., all Bright	1.60
10 in. Eng. Black	1.50
10 in. Eng., all Bright	1.75

SCUFFLE HOES.—Fig. 10.

4 inches	50c.
6 inches	60c.
8 inches	70c.
10 inches	80c.

CLEVES' TROWEL.—Fig. 11.

The New Garden Implement.	Each.
No. 1—Standard, 8-in. blade, 25c.; mailed	35c.
No. 2—Medium, 7-in. blade, 20c.; mailed	30c.
No. 3—Daisy, 5-in. blade, 15c.; mailed	20c.

GARDEN TROWELS.—Fig. 12.

	Each.
Best Forged Steel, strong and durable, 6-inch	40c.
American, No. 3090	30c.
" 6-inch Bright Steel blade, plain handle	5c.
" 6-inch Tinned Steel blade, Enamelled handle	10c.
" No. 10, Florists, extra heavy Solid Steel	20c.

EUREKA HAND WEEDER.—Fig. 13.

A very handy and useful little instrument. Short handle, 25c.; long handle, 35c.

GRASS HOOKS.—Fig. 14.

American	25c.
German, No. 0, 20c.; No. 1, 25c.; No. 2	35c.
Best Eng. Grass, No. 2, 35c.; No. 3	50c.
Best Eng. Hedge Hooks, No. 4	60c.
Best Eng. Hedge Hooks, No. 5	75c.

THERMOMETERS—Fig. 15.

8 inch Tin Japanned	$ .15
10 " Distance Reading	.35
8 " Cabinet, No. 201 H	.50
10 " Tin case, best quality, No. 31	.60
Porc. Scale, Red Spirit, No. 251 H	1.00
12-inch Tobacco Curing	.25
Registering (Sixes), No. 650 (see cut)	2.25
Mushroom bed, brass end	1.00
" " extra good	1.50
Dairy or Hot-bed glass float	.25
Glass floating, large	.50
8-inch Standard flange, stands boiling water	.50
Milk Hydrometer, No. 2080	.40
" " No. 2085 (Quevenne)	.75
Incubator, Upright	.75
" Reclining, No. 1302	.60
Brooder, No. 1307	.30

If wanted by mail, add 5c. for postage.

NOVELTY LIFTING WEEDER.—Fig. 16.

A Chisel Blade cuts off the weeds; the trigger holds them so they can be pulled out. Each, 85c.

Horticultural Tools and Supplies

Continued.

Fig. 17.

Fig. 20.

Fig. 21.

Fig. 22.

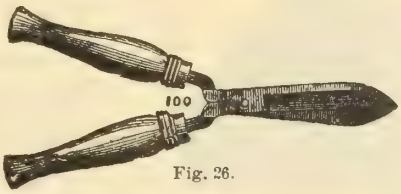


Fig. 26.

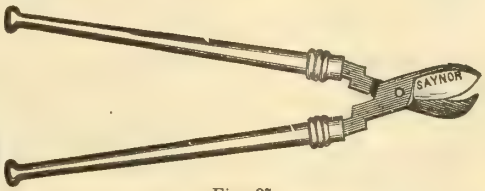


Fig. 27.

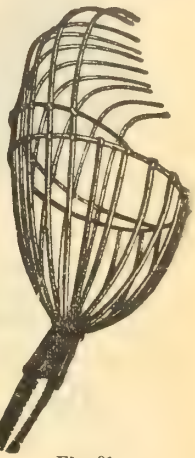


Fig. 31.

Fig. 32.

Fig. 28.

Fig. 18.

Fig. 23.

Fig. 25.

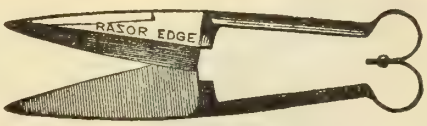


Fig. 29.

Fig. 19.

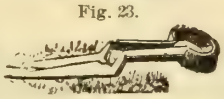


Fig. 24.

Fig. 30.

WATERS' TREE PRUNERS.

Fig. 17.

4 feet long	$ .75
6 feet long	.85
8 feet long	.95
10 feet long	1.00
12 feet long	1.10
14 feet long	1.25

Extra knives, 20 cents.

BORDER SHEARS.—Fig. 18.

Price without wheel	$2.25
Price, with wheel	2.50

HORSE SHEARS.—Fig. 19.

Bent Handle No. 1087	$ .50
Curved Handle, No. 1090	.60

By mail, add 15c.

HORSE SCISSORS.

No. 9162, extra fine $1.25

By mail, add 15c.

PRUNING SAWS.—Fig. 20.

16 inch Single	.65c.;	Double	$ .60
18 inch "	.75c.;	"	.70
20 inch "	.85c.;	"	.80
Saw and chisel, combined			1.10

PRUNING SHEARS.—Fig. 21.

Mal. Handle, Steel blade	30 and 40c.
No. 1537, Solid Steel, ½ polish, 8 inch	$ .50
No. 4665, Solid Steel, ½ Polish, 9 inch	.75
No. 4666, Solid Steel, full polish, 9 inch	1.00
No. 2, French Pruning, 8½ inch	1.25
No. 4770, Ladies' nickel plate, 6 inch	1.00

If wanted by mail, add 15c.

PRUNING KNIVES.—Fig. 22.

Iron Handle, No. 126, 50c.; No. 2173, Cocoa Handle, 65c.

BUDDING KNIVES.

Prices—No. 12 ..... $1.00; No. 10 ..... $1.25

TELEGRAPH TREE PRUNERS.

Price, without pole	$1.15
Extra blades	.20
Little Giant Pruning Hook and Saw	2.00
Extra springs	.25

LAWN SHEARS.—Fig. 23.

2 wheels, 8 in. blade, for cutting on narrow borders, under fences and shrubs.. $2.75

GRASS SHEARS.—Fig. 24.

Bent Handle, No. 360	$ .35
Trowel Handle. No. 460	.50

Mail, add each 15c.

HORSE OR DOG CLIPPERS.

Fig. 25.

Very handy about horses; also for clipping dogs.

Mascot Clipper.	$1.00.	Stewart Clipper.	$1.00
Nickel plated, each	175.	Top plate, each..	.75
Bottom plate...	1.00.	Spring.....	.15

HEDGE SHEARS.—Fig. 26.

8 inch	$1.25.	10 inch	$1.75
9 inch	1.50.	12 inch	2.25

With Notch, 25 cents extra.

LOPPING SHEARS.—Fig. 27.

Ely	$ .75
No. 3 American, or Tip Top	1.00
No. 4 American, or Tip Top	1.25
No. 1 Baltimore Draw cut	2.50
No. 2 Baltimore Draw cut	2.00

ASPARAGUS KNIFE.—Fig. 28.

Made of solid steel.....30c. By mail.....40c.

ASPARAGUS BUNCHER.

Price $1.50

SHEEP SHEARS.—Fig. 29.

No. 3749..85c. No. 3755, full polished. $1.00

By mail, add 15c.

FLOWER AND GRAPE SCISSORS.—Fig. 30.

Flower Scissors..75c. Grape Scissors.....60c.

5 cents extra for postage.

FRUIT PICKER.—Fig. 31.

This cut almost speaks for itself—the device being so much like, the human hand, shows at once the utility of the article. As a Fruit Picker it has no superior. It is made of Heavy Galvanized Wire, and easily adjusted to a pole....30c.

SCYTHES.

American, cheaper grade	$ .60
Bush or Brier Scythes, American	.75
English T. Waldron, Grass, 36 in., $1.35; 38 in. $1.40; 40 in	1.45
American Grain	1.00
English Waldron Grain, 50 in., $1.75; 52 in., $1.80; 54 in	1.90

SCYTHE STONES.—Fig. 32.

No. 1—Willoughby Creek..10c. each, $1.00 per doz.

No. 2—White Mountain..10c. each, $1.00 per doz.

These are far superior to Darby Creek and not so easily broken.

No. 3—Green Mountain..8c. each, 75c. per doz.

No. 4—Indian Pond, No. 2 (red end), 5c. each, 50c. per doz.

No. 5—Mowing Machine (beveled).....10c.

No. 6—Darby Creek.....10c. each, $1.00 doz.

Cigar Emory.....10c. each, $1.00 doz.

No. 7—Imported English Talacre....20c. each

None genuine unless labeled Sir Pyers Mostyn, Talacre Quarries.

WIRE PLIERS.

Fence Wire Cutters, 6 in. 40c.; 8 in. 50c.; 10 in. 60c.

GRIFFITH & TURNER CO

FLORIST AND GARDEN SUPPLIES

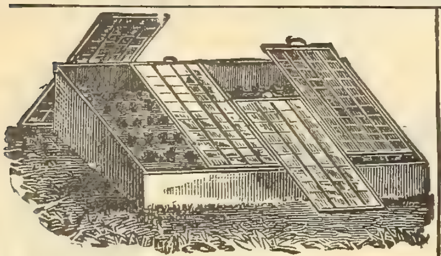


Fig. 33

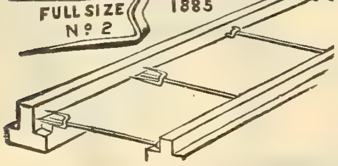


Fig. 34

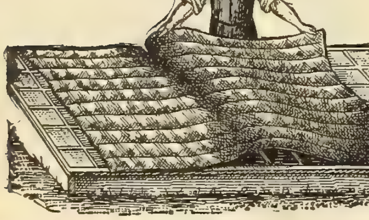


Fig. 35

Fig. 36

Fig. 38

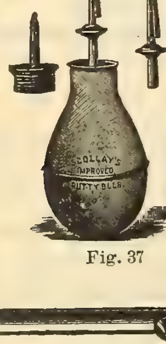


Fig. 37

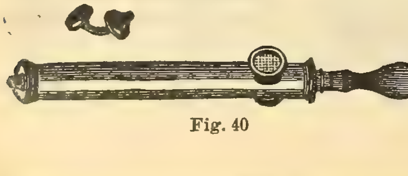


Fig. 40

UNGLAZED HOT-BED SASH.

Fig. 33.

3x6 feet,

Price, **85c.**

VAN REYPER'S GLAZING POINTS.

Fig. 34.

The finest glazing points on the market. The glass cannot slip: they are quickly and easily put in with special pincers; no "rights" and "lefts" to bother with.

Price, per box of 1,000, **60c.**, or by mail, **75c.** Price, in lots of 5,000, by express, **55c.** per 1,000.

Pincers, price per pair, **50c.**, or by mail, **60c.**

RATTAN HOT-BED MATS.

These are the most durable yet introduced, and will probably supersede all others when their merits are known. Size, 72x74 in., covering two frames. Price, **$1.75** each.

Special price in dozen lots.

Fig. 35.

Made of strong burlap, interlined with wool.
Price, 40x76, **85c.** each.
Price, 76x76, **$1.15** each.
Special price in dozen lots.

PLANT BED CLOTH.

A cheap substitute for glass, and will keep out many degrees of frost. Also useful for shading material. Samples mailed on application.

Light grade, **4c.** yd. Piece of about 65 yds., **3½c.** yd.

Medium grade, **8c.** Piece of about 60 yds., **7c.** yd.

Heavy grade, **10¼c.** Piece of about 40 yds., **10c.** yd.

MASTICA GLAZING MACHINE.

Fig. 36. Price, **$1.25.**

MASTICA.—For glazing greenhouses, sashes, etc., new and old. It is elastic, adhesive and easily applied. It is not affected by dampness, heat or cold.

"Mastica," when applied, in a few hours forms a skin or film on the entire mass, hermetically sealing the substance and preventing the evaporation of the liquids, and remains in a soft, pliable and elastic condition for years. "Mastica" is of great value in going over old houses with a putty bulb or machine on the outside of sash, as it makes it perfectly tight and saves the expense of relaying the glass.

Price, ½ gal	$ .70
" 1 gal	1.25

PUTTY BULBS—Large Size.

Fig. 37.

Price, **90c.** Price by mail, **$1.00.**

GRAFTING WAX.

¼ lb., **10c.** ½ lb., **20c.** 1 lb. **35c.**

SPHAGNUM MOSS.

For packing growing Orchids, Plants, Trees, etc. Per bale, **$2.50.**

STABLE BROOMS.

For Stables, Lawns and Walks.

12 in. Rattan	45c.
14 in. "	55c.
12 in. Bass	50c.
14 in. "	60c.

RAFFIA.

The best material for tying Plants, Vines, etc.
Per lb., **20c.** 10 lbs., **$1.50.**
SILKALINE, spool, **25c.**

PLANT SPRINKLERS.

Fig. 38.

For sprinkling Cut Flowers, Seedlings, Plants, Clothes, etc.

No. 1. Plain top, 12 oz	$1.00
No. 1. Angle, plain top, 12 oz.	1.00
No. 2. Plain top, 7 oz.	.85
No. 2. Angle, plain top, 7 oz	.85
No. 3. Plain top, 7 oz	.75
No. 4. " " 4¼ oz	.60
No. 1. Valvular top, 12 oz	1.00

By mail, 10 cents extra.

BRASS GARDEN SYRINGES.

Fig. 40.

No. A. Barrel 12 in. long, 1 spray and 1 stream rose	$2.25
" 12. Barrel 13 in. long, 1 coarse and 1 fine spray and one stream rose.	3.50
" 2. Two sprays, rose and jet, 14½ x 1 5-16 inches	4.50
" 10. Barrel 18 in. long, 1 coarse and 1 fine spray and 1 stream rose with patent valves and elbow-joint.	6.00

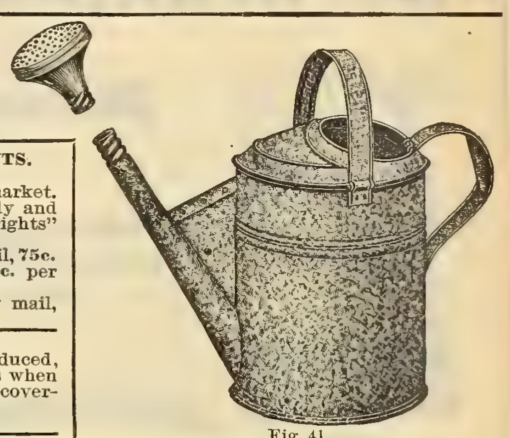


Fig. 41.

IRONCLAD WATERING POTS.
With Adjustable Nozzles.

Fig. 41.

4-qt	45c	10-qt	60c
6-qt	50c	12-qt	.65c
8-qt	55c	16-qt	75c

WOTHERSPOON MAKE.

6-qt	$1.75	10-qt	$2.25
8-qt	2.00	12-qt	2.50

CANE STAKES.

5 to 7 feet long.
Per 100, **$1.00.** Per 1,000, **$6.50.**

POT LABELS.

	Plain.	Painted.
3½ inch, per 1,000	$ .54	$ .72
4 " "	.64	.78
4½ " "	.66	.84
5 " "	.78	1.08
6 " "	.90	1.20

12 inch, per 100, **60** cents.
Special price in quantities to florists.

PAINTED TREE LABELS.

3½ in., Notched or Pierced.......78c. per 1,000
3½ in., Iron Wired ....90c. per 1.000

LIGHT PLANT STAKES.

	Each.	Per Doz.	Per 100
1½ feet	$ .02	$ .17	$1.00
2 "	.03	.28	1.70
2½ "	.05	.39	2.40
3 "	.05	.51	3.20

HEAVY OR DAHLIA STAKES.

	Each.	Per Doz.	Per 100
3 feet	$ .06	$ .75	$4.85
4 "	.08	1.10	6.50
5 "	.10	1.25	8.15

UNPAINTED STAKES OR DOWELS.

Long.	Diameter.	Per Doz.	Per 100.	Per 1,000
36 inch	¼ inch	$ .15	$ .75	$4.50
42 "	¼ "	.20	.85	5.00
44 "	⅜ "	.25	.90	6.00

GALVANIZED HARD STEEL PLANT STAKES.

These are a great improvement over wooden stakes for Carnation and Rose beds; they are durable, neat, strong.

	Per 100	Per 1,000
2½ ft. long.	$ .65	$5.50
3 "	.75	6.25
3½ "	.90	7.50
4 "	1.00	8.25
5 "	1.20	10.00

MARLING

Furnished in 1, 5, 10, 15 and 20 lb. bales.

12c. per lb.

Special prices in quantities.

CARNATION STAKES

Fig. 39.

Patent extension; three ring; easily erected; 7 in. diameter, 14 in. high; Best support on the market.

Price, **$3.50** per 100.
Special price per 1,000.

Fig. 39.

GRIFFITH & TURNER CO

INSECT DESTROYERS, Etc.

ONE application instantly and positively relieves horses and cattle from all annoyance from green heads, the dreaded Texas heel fly, as well as other flies, gnats and insects of every description for at least twenty-four hours. It improves the animal and abolishes the use of fly nets.

Price—Qt., 50c. 1-2 Gal., 90c. Gal., $1.50.

PERSIAN INSECT POWDER, OR BUHACH.

A most effective non-poisonous impalpable powder—so fine that it penetrates the innermost crevices—for worms, flies, aphis and almost all kinds of insects. It is very effectual, suffocating them by filling up the breathing pores.

Price—Lb., 40c., or by mail, 55c. 1/4 Lb., 15c.

Dry.—Blow on with a bellows or gun.

Solution.—Dissolve 1 ounce to 3 gallons of water, and apply with syringe or pump.

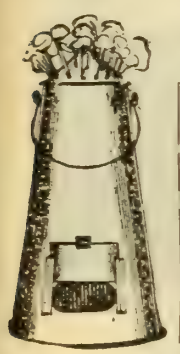
PARIS GREEN.

1/4 Lb., 10c. Lb., 25c. By mail, 40c.

PURE WHITE HELLEBORE.

The cheapest and best preparation for destroying rose slugs, currant worms, etc.

1/4 Lb., 10c. Lb., 30c. By mail, 45c. per Lb.



FUMIGATORS.

No. 2—Height, 16 inches. For a house 12x40 feet.....**Price, $1.75**

No. 3—Height, 20 inches. For a house 15x100 feet.....**Price, $2.25.**

NICOTICIDE.

An infallible remedy for Aphis, Green Fly and other green-house vermin.

No. 1—1 Pt. for 32,000 cubic ft. of space, **$2.50.**
No. 2—½ Pt. for 16,000 cubic ft. of space, **$1.25.**
No. 3—4 Oz. for 8,000 cubic ft. of space, **70c.**
Lamp for Evaporating—consisting of Pan, Wire Frame and Lamp..... **50c.**

After lamp is lit and pan containing compound is placed over it, the **person should leave the house and not re-enter for at least two hours,** as the lamp will die out soon after the compound has evaporated.

ASBESTOS TORCH.

An excellent device for burning caterpillar nests from trees. **Price, 40c.**

TOBACCO STEMS.

Indispensable for fumigating greenhouses and conservatories for the destruction of green and black aphis and other insects.

5c. Lb. Large quantities, 50 Lbs., 3c. Lb.

Dampen thoroughly a few hours before using, place about a half-pound over a handful of shavings in a fumigator, and light.

5c. Lb. 100 Lbs., $1.00.

PINNER'S TOBACCO SOAP.

Lb., 40c. By mail, 55c.

TOBACCO DUST, FINE.

For green and black aphis, fleas, beetles, etc. Splendid fertilizer and preventive for insects in the ground and around roots.

Price—5 Lbs., 20c. 20 Lbs., 50c. 100 Lbs., $1.25.
200 Lbs., $2.25.

For insects on plants, apply with powder duster or bellows.

For worms or grubs in the soil, apply liberally to the surface and rake in, or strew thickly in the drills before planting.

KEROSENE EMULSION (Liquid).

Ready for use by simply adding water, 25 to 50 parts to one.

Qt., 40c. Gal., $1.10. 5 Gals., $4.50.

This is strictly an insecticide for plant lice of all kinds, rose bugs, cabbage bugs, melon insects, fowl, human and animal lice, caterpillars, tobacco flies, peach lice, red spiders, green fly and all sucking insects.

KEROSENE EMULSION (A Paste).

Add water, 25 to 50 parts.

1 Lb., 15c. 5 Lbs., 60c.

LEMON OIL.

Perfectly safe and harmless to the tenderest foliage and roots. It effectually destroys mealy bugs by syringing or dipping. It also destroys scale, thrip, red spider, black and green fly, caterpillar, American blight, mildew, etc. Dilute with 50 parts water.

1/2 Pt., 25c. Pt., 40c. Qt., 75c. 1/2 Gal., $1.25. Gal., $2.00.

NIKOTEEN.

Is the most powerful known insecticide, and will be found more economical and convenient than weak tobacco extracts.

Price—Pint Cans, $1.50. 5 Cans, $7.00.
VAPORIZING PANS (for above).—50c. IRONS.—50c.
3 PANS, 3 IRONS and 1 HOOK.—$3.00.

FLOWERS OF SULPHUR.

For the prevention and destruction of mildew on roses and other plants. Apply with bellows or gun.

Lb., 10c. 5 Lbs., 40c. 10 Lbs., 60c.

N. B.—If by mail, add 15 cents per pound for postage.

LONDON PURPLE.

Very poisonous, and equally as efficacious as Paris Green, and more soluble. Use in the same way as Paris Green. **Lb., 25c. By mail, 40c.**

SLUG SHOT.

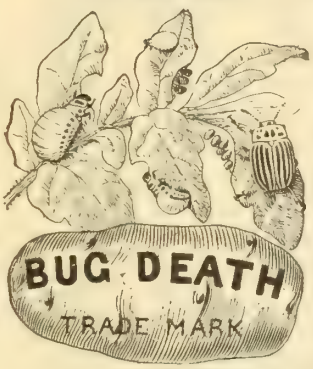
A NON-POISONOUS powder, and a very popular insecticide; it requires no further mixing or preparation; easily applied, and not injurious or dangerous to animals, the person applying it, or fruits and vegetables treated. Very effectual in destroying potato bugs and beetles, green and black fly, slugs, worms, caterpillars, etc. It will be necessary, however, to apply it occasionally, for it does not kill the eggs or prevent them from hatching. The best time to apply it is early in the morning, particularly for potato bugs, as they do not feed during the night. Apply with duster, bellows or gun. Ten to forty pounds is sufficient for an acre.

5-Lb. Pkgs., 25c. 10-Lb. Pkgs., each, 45c. 25 Lbs., $1.00.

APHIS PUNK (Nikoteen).

Especially designed for use in private places and in houses without convenient furnaces for heating irons necessary for vaporizing NIKOTEEN, or Tobacco Extract. It is very effective as an insecticide. The Punk is lighted with a match and allowed to burn, which it does without flaming, at the same time giving off dense white fumes of nicotine that kill aphis and thrip very effectively. **Per Box, 60c. Per 12 Boxes, $6.50.**

BUG DEATH.



DIRECTIONS FOR USING IN WATER.

Add 12½ pounds to 80 gallons water, and mix thoroughly.

1-Lb. Pkge..... 15c.
3-Lb. Pkge..... 35c.
5-Lb. Pkge..... 50c.
12½-Lb. Pkge.....$1.00
100 Lbs..... 7.00

Add 17c. per lb. for postage.

PERFECTION SHAKER.

65 cents.

For applying Bug Death to potato vines.

RUBBER ATOMIZER.

75 cents.

For applying Bug Death to currant bushes, cucumber, squash and other small vines, bushes, house plants and poultry.

WHALE OIL SOAP.

Makes an excellent wash for trees and plants where insects and eggs affect the bark, and for smearing on the trunks of trees to prevent worms from crawling up.

Price—Cake 10c. Lb., 15c. 5 Lbs., 60c. 9 Lbs., $1.00.
Large Quantities at Special Prices.

For insects on plants, dissolve one-quarter pound to a gallon of water; apply with syringe or spraying pump. For bark insects, etc., dilute with water to consistency of thick paint, and apply with brush.

"THYMO-CRESOL," ENGLISH COLD-WATER SHEEP DIP.

A gallon makes a hundred gallons for most uses. A world-famous dip, and, besides, is unexcelled as an internal and external remedy for animal wounds and skin diseases, for killing animal parasites, mixing with whitewash for trees, chicken-houses, kennels, etc.

Price—Pint Can, 45c. Quart Can, 60c. 1-Gallon Can $1.75.

BORDEAU MIXTURE.

A valuable and indispensable fungicide for grape growers, thereby insuring larger crops and finer grapes, and preventing failure.

A sure cure and preventative for black rot mildew and rust.

Also of great value for other plants with kindred diseases.

Per Quart..... 40c.
Per Gallon Can.....$1.10

By Express or Freight Only.

Mix one part of this to 50 parts of water.

BORDEAU MIXTURE.

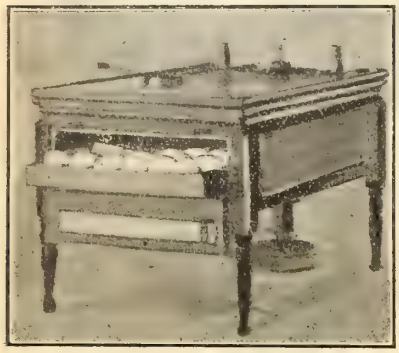
READY FOR USE BY SIMPLY ADDING WATER.

Price—1-Lb. Box, 15c.
Makes 5 gallons spray.

Price—5-Lb. Box, 60c.
Makes 25 gallons spray.

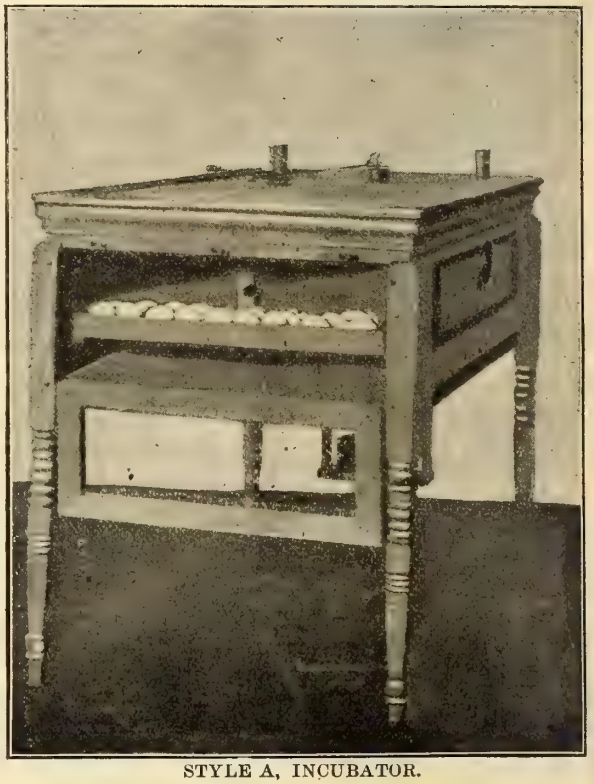
POULTRY SUPPLIES.

Prairie State Incubators and Brooders



No. 2 BABY, 100 EGGS.

PRICES on Prairie State Incubators and Brooders have been considerably reduced. Every machine is constructed of the very best material, finely finished, self-regulating, having automatic turning tray which is a very strong feature, and all machines are built over the same pattern. One machine will do just as good work as another, and no one need hesitate to send us an order for any style or size that the Company manufactures. We warrant the machines first-class in every respect, and if the purchaser finds they are not as we advertise, they are at liberty to return them and we will refund the money.



STYLE A, INCUBATOR.

PRAIRIE STATE "SPECIALS."

No.	Dimensions.	Capacity.	Weight, Crated, Lbs.	Price.
0	15½x26½	60 to 65 eggs	80	$12.00
1	23 x34½	110 to 120 "	135	18.00
2	28½x50	220 to 240 "	240	29.00
3	28½x70	330 to 360 "	350	38.00
4	28½x95	440 to 480 "	425	50.00
288 Duck	36 x68	Duck eggs, 288 / Hen " 400	425	44.00
Goose Machine	31 x18¾	50 eggs	160	25.00

PRAIRIE STATE "BABIES."

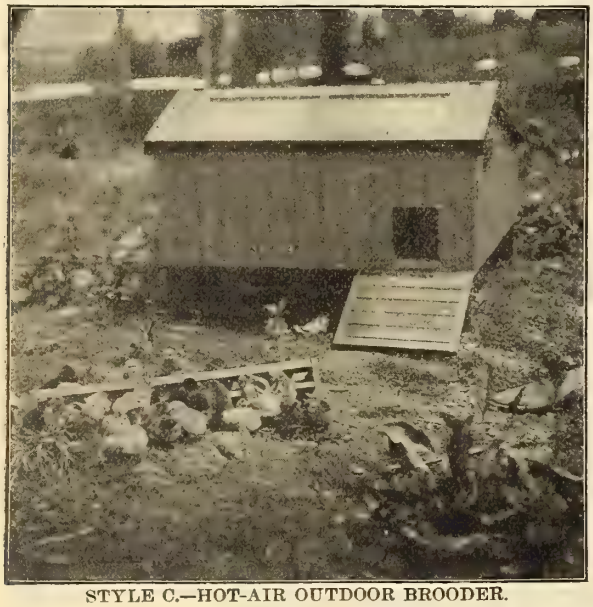
1	14½x24	50 eggs	45	6.00
2	19½x31	100 "	70	10.00

PRAIRIE STATE STYLE A.

1	27 x37	150 eggs	170	20.00
2	27½x47	210 "	215	26.00

PRAIRIE STATE STYLE B.

1	27 x37	150 eggs	150	15.00
2	27½x47	210 "	195	22.00



STYLE C.—HOT-AIR OUTDOOR BROODER.

STYLE D, No. 2.

BROODERS.

STYLE D, HOT-AIR INDOOR BROODERS.

No.	Dimensions.	Capacity.	Lbs. Crated.	Price.
1	25¾ x36	80 chicks	60	$7.00
2	36 x36½	125 "	85	9.00

STYLE C, HOT-AIR OUTDOOR BROODERS.

1	36 x36	100 chicks	125	12.00
2	48 x48	150 "	185	16.00

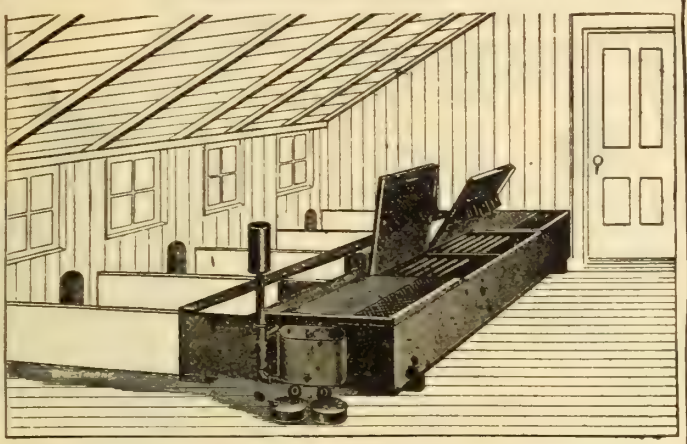
Prairie State Thermometers special tested. Metal, 75 cents, postpaid.
Burners for No. 1 Incubator Lamp, 25 cents, postpaid; for Nos. 2 and 3 Lamps, 35 cents, postpaid.
Lamps for No. 1 Incubators, 60 cents; for No. 2, 75 cents.
Egg Tester, 35 cents, postpaid; Brooder Lamps, 75 cents.

BROODERS CONTINUED ON NEXT PAGE.

THE POULTRY YARD—CONTINUED.

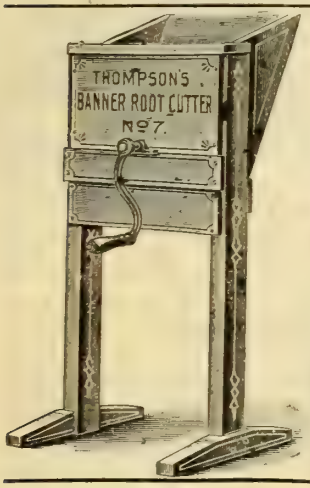
PRAIRIE STATE SECTIONAL BROODER.

STYLE B, HOT WATER.



This Brooder is intended for small or portable Brood-houses, or run in connection with the pipe system and hot water stove. It is very simple, easy to operate, easy to clean, and not hard to move from one place to another. It is provided with a movable floor that can be raised or lowered instantly.

No.	Dimensions Each Section.	Capacity.	Price.
2	Two sections 36 x 36	200 chicks	$19.00
3	Three " 36 x 36	300 "	24.00
4	Four " 36 x 36	400 "	29.00



Thompson's Jr. Banner No. 7 Vegetable and Root Cutter.

Suitable for a Flock of 50 to 1000 Fowls.

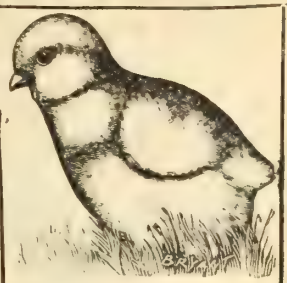
Cuts roots and vegetables into fine chicken feed. Capacity one bushel in about five minutes.

Price $5.00

Caponizing Tools.

Every poultry man knows that Capons are much larger fowls, sweeter and finer meat, and sell at a much higher price than others. You can do your own caponizing easily.

Book with full instructions sent free, with each set of instruments. Price, in Leather Case, with instructions $2.75



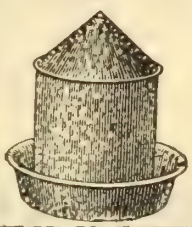
Chicken Manna, or Health Food

FOR LITTLE CHICKS.

This preparation is specially prepared for little chicks when first hatched. This should be the first and only food and continue for 10 or 12 days before feeding anything else; directions for feeding on each package. 1-lb. pkg, 10 cts.; by mail, 25 cts.

5-lb. pkg., 40 cts. 15-lb. pkg., $1.10. 60-lb. box, bulk, $4.20.

EGG TESTER, Price 35c.



Galvanized Drinking Fountains.

No. 1, 2 qts., 30c.	Dozen, $3.25
No. 2, 4 qts., 50c.	" 5.00
No. 3, 8 qts., 75c.	" 7.00

BALTIMORE FOUNTAINS.

EARTHENWARE.

1 quart, 25c.	Dozen, $2.50
2 quarts, 35c.	" 3.90
4 quarts, 50c.	" 4.60

DEATH TO LICE.

A DISINFECTANT INSECT POWDER.

This powder is unrivalled as an insecticide; handy to use, cheap to buy and does the work quick.

15 oz. package ..	$ .25	Postpaid	$ .40
48 oz. package ..	.50	Postpaid	1.00
100 oz. package ..	1.00	By Express	

LEE'S LICE KILLER.

is the result of long experiment with various insecticides and possesses the unique advantage of not requiring contact with the vermin to kill. Being a liquid paint, it has manifold advantages over any form of powder or liquid; it is easily applied to roost-poles and about the poultry-house, and kills all vermin, mites, bed-bugs, etc., that have their lodging in the cracks and crevices.

Price, quart, 35c.; half gallon, 60c.; gallon, $1.00; 5 gallons $4.00

PERSIAN INSECT POWDER.

Per lb., 40c.; 5 lbs., $1.75.

CAST-IRON POULTRY TROUGHS.

No. 0—8 inches long, 3½ inches wide at top, 1½ inches deep..... 20c.
No. 1—20 inches long, 4 inches wide at top, 1½ inches deep..... 40c.
No. 2—23 inches long, 7 inches wide at top, 3 inches deep..... 60c.
No. 3—29 inches long, 7 inches wide at top, 3 inches deep..... 75c.

MANN'S SWINGING FEED TRAY.

18 inch $1.00
27 inch 1.25

POULTRY NETTING.—FOR ENCLOSING POULTRY YARDS.

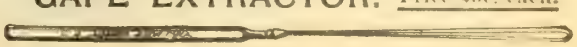
The Wire we offer is all Nos. 19 and 20 double twist, 2-inch mesh, thoroughly galvanized after weaving. Sold in bales of 150 running feet.

PRICES 2-INCH MESH.

No. 19,	in. wide.	sq. ft.	per bale.	No. 20,	in. wide.	sq. ft.	per bale.
"	12	150	$ .75	"	12	150	$ .68
"	18	225	1.12	"	18	225	1.05
"	24	300	1.50	"	24	300	1.35
"	36	450	2.25	"	36	450	2.02
"	48	600	3.00	"	48	600	2.70
"	60	750	3.75	"	60	750	3.37
"	72	900	4.50	"	72	900	4.05

Price, 1 cent per sq. ft. in less than bale lots. Staples for fastening, 10c. per lb.

GAPE EXTRACTOR. Price 25c. each.



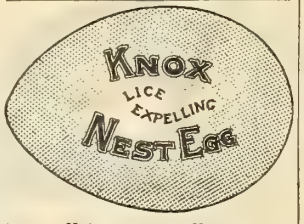
THE POULTRY YARD CONTINUED.

The only positive preventive and cure for Gapes and Poultry Cholera, and a most excellent medicine for young Turkeys that have been exposed to the weather; also an excellent medicine for horses, cattle, sheep and hogs. All who have used Haven's Climax Condition Powders once will have it again.

13-oz. package 25c By mail, 40c
32-oz. packages, 50c 5-lb. box $1 00

WIRE HEN NESTS.

25c each; $2 50 per dozen.

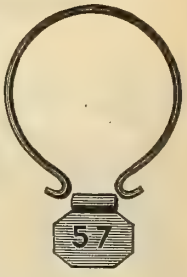


Lice Killer and Nest Egg

COMBINED IN ONE,

Lasting, Effective,
Not Expensive.
Do not affect the flavor of the egg or injure it for hatching.

CLIMAX LEG BANDS.



Made of spring brass, and so made that the tag acts as a clasp, holding them securely in place. Price, per dozen, 20c. Per 50, 60c. Per 100, $1 00

PORCELAIN NEST EGGS.

The best and cleanest nest egg used. Each, 5 cts. dozen, 25 cts.—by mail, 50 cts.

POULTRY MARKER.

This little instrument is used for marking young and old chickens. It is invaluable to breeders and farmers. They are made in two sizes for large or small chicks; nickle-plated, have steel cutter and spring, and are made small and neat to carry in the vest pocket. Sent by mail on receipt of price, ... 25c

FRENCH POULTRY KILLING KNIFE.

The most expeditious and humane way of killing and dressing poultry is by the French method. These knives are made of the finest steel. Price, with instructions, each 50c

KAFFIR CORN—Red or White.

Makes excellent food for poultry or pigeons, either fed in the grain or ground and cooked. Also an excellent forage plant. Sow four to five pounds to acre. 5 lbs., 25 cts. Special price in quantity.

HAVEN'S ROUP PILLS.

For the cure of Roup, Catarrh, Colds, etc. Box 25c

Sheridan's Condition Powder.

Strictly a medicine to be given in the food, once daily, in small doses. Prevents and cures all diseases of hens. Worth its weight in gold when hens are moulting. Price, small packages, 25c., 5 for $1.00; large packages, $1 00, by mail $1.25; 6 large packages, by express, $5.50.

Rust's Egg Producer.

This has given our customers universal satisfaction. It supplies those substances which produce Egg growth and development. So moderate in price, it should be used winter and summer.

1-lb. package, 25c., 2½-lb. package 50c., 6-lb. box, $1.00.

If to be sent by mail, add 16 cents per lb. to pay postage.

Pratt's Poultry Food will make hens lay all the year, and is excellent for feeding young chicks. For large fowls mix one oz. with the food for 15 or 20. For 15 or 20 chicks give ½ ounce every other day. 1⅛-lb pkg. 25c; 5-lb pkg. 60c; 12-lb bulk $1.25; 25-lb bulk $2.50.

Pratt's Food for Horses. 7 lbs, 50c; 12½ lbs, 75c. 25 lbs., $1.50.

Pratt's Animal Regulator, 25c. package.

• TRADE MARK REGISTERED •

CANARY, PIGEON and PARROT FOOD.—CANADA FIELD PEAS—Peck, 40c.; bushel, $1.25. BUCKWHEAT—Quart, 10c.; peck, 40c. HEMP SEED—Lb,, 8c.; 4 lbs., 25c. CANARY SEED—8c. lb. BIRD RAPE—8c. lb.

GRANULATED CHARCOAL.

A little ground charcoal, mixed with the soft feed in the morning, once or twice a week, is an excellent corrective for the fowls, and keeps them healthy.

1 lb., 10c.; 5 lbs., 30c., 10 lbs., 50c.; 25 lbs., $1.00; 100-lb. bag, $3.50

CLOVER MEAL FOR POULTRY.

By all odds the best and most economical way of feeding clover. Can be fed in mash with other food. 50-lb bag, $1.25; 100-lb bag, $2.00

CUT CLOVER HAY.

Excellent food for winter and early spring.

50-lb. bag, $1.25; 100-lb. bag, $2.00

GROUND BEEF SCRAPS.

Our ground beef scraps are especially prepared. Feed three times a week at the rate of about a handful to every three birds in the morning meal of hot food. During warm weather the scraps need not be fed more than once a week. 5 lbs. 25c; 10 lbs. 40c; 50 lbs. $1.25; 100 lbs. $2.50

MEAT MEAL.

This is a true egg-producing, flesh and bone-forming food, and supplies just what laying hens and growing chicks require. It is not a medicine. It is fed with other foods. Fed to small chicks about three times a week will promote health, growth and vigor.

5 lbs., 25c.; 10 lbs., 40c.; 25 lbs., 75c.; 50 lbs., $1.25; 100 lbs., $2.50

CRACKED POULTRY BONE.

This article is manufactured from fresh, clean bones, and is perfectly pure and sweet. The bones are extra selected, being first boiled to remove the meat, and then ground. No chemicals whatever are applied to them in the course of manufacture, so that they are turned out green and pure. Should be fed to the poultry daily, about a handful to every five fowls, like grain or any other feed. An excellent bone and egg producer, keeping the fowls strong on their legs and largely increasing their laying qualities. 5 lbs. 25c; 10 lbs. 40c; 35 lbs. $1.00; 100 lbs. $2.50

BONE FLOUR FOR POULTRY.

For mixing once a day with soft feed this is unsurpassed. Laying hens and young chickens, whose digestive powers are not strong, are much benefitted by this, especially during winter months, or where closely confined in yards. This is exactly the same as the cracked bone described above, only it is ground much finer.

5 lbs., 25c.; 10 lbs., 40c.; 30 lbs,, $1.00; 100 lbs., $2.50

CRUSHED OYSTER SHELLS.

This is a most important article for the poultry yard through the winter, and should be liberally supplied to the fowls. In summer, when left to run at large, they can find their own shell-making material, but when everything is frozen or covered with snow, they must be helped out if eggs are wanted. 5 lbs., 10c.; 100-lb. bag, 60c.; 500-lb. bag, $2.00 Special prices in large quantities.

MICA CRYSTAL GRIT AND MANN'S GRANITE GRIT.

To aid digestion it is necessary to feed some gritty material. These supply this want better than any other article known.

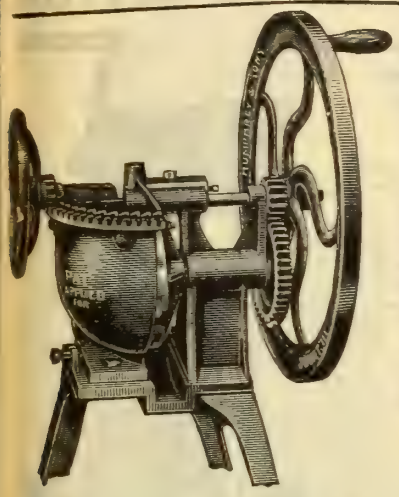
5 lbs., 15c.; 100 lbs., 90c.; 200 lbs., $1.75; 500 lbs., $4.00

SUNFLOWER SEED.

Highly recommended for poultry as one of the best egg-producing foods known, keeping them in good condition. Lb. 8c.; 4 lbs., 25c.; 100 lbs., $5.00

THE POULTRY YARD.—CONTINUED.

BONE CUTTERS, MILLS, ETC.



Humphrey Green Bone and Vegetable Cutter.

The knives of the Humphrey Cutter act upon the shear principle, producing a granulated cutting, without question the best form in which to feed green bone. An eight-year-old boy can take out the knives, sharpen them on a common grindstone and replace as readily as a finished mechanic. Easily kept clean. Requires no hacking of the bones with an axe.

No. 1	Hand Power.	$12.00
" 2	Semi-Power.	15.50
" 2½	Hand and Power.....	17.00

DANDY GREEN BONE CUTTER.

This is one of the simplest and best cutters made. Has automatic feed. The knives are made from the best tool steel and finely tempered. There is one plain and two corrugated knives. Can be changed to cut coarse or fine.

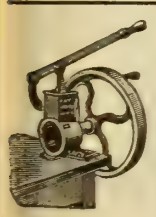
OUR No. 0 DANDY

Price with Balance Wheel ..... $ 7.00
Price without Balance Wheel 5 00
No. 1..... 10.00
No. 2, same as No. 1, except it has a split nut in the feed wheel which facilitates the working of the feed screw....12.00
No. 3, for hand and power 18 00

GEARED DANDY CUTTERS.

The geared machines will cut faster and having four knives will cut just as fine as the others.

No. 11.	Geared.....	Price	$15.00
No. 12.	" with split nut.....	"	12.00
No. 13.	" for power.....	"	20.00
Pulley for belt		"	2.00



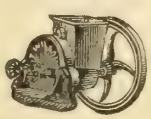
WILSON'S CROWN GREEN BONE MILL.

This machine is especially made for cutting Green Bone with meat on, right from the butcher, or offals of bone and meat from the table.
Turns easy, fine and fast.

With Stand 80 lbs $8.50
Without Stand 50 lbs..... 6.50

No. 0 FOR GRAIN ONLY.

An excellent mill for grinding grain of all kinds.
Weight, 30 lbs. Price $5 00

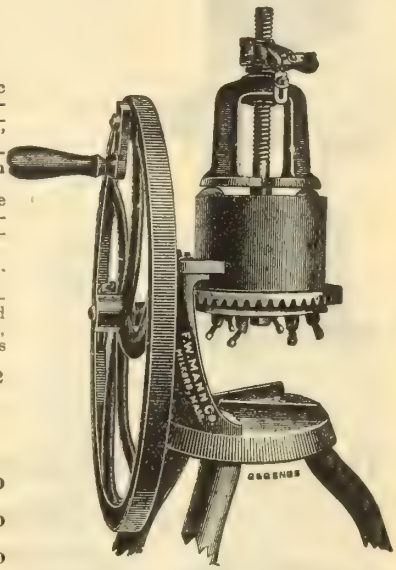


MANN'S BONE CUTTERS.

MANN'S BONE CUTTER

1902 MODEL.

The feed is both automatic and self-governing and successfully adapts itself automatically to the operators' strength and the self-governing feed never feeds faster than the operator can cut easily.
The cutting device is the latest pattern and is guaranteed to do the work successfully and satisfactorily.
Cuts all gristle and meat. Nothing escapes uncut.
A bone cutter that successfully cuts all kinds, hard and soft bone gristle and meat, and will not clog or choke is the cutter to buy.
Mann's New Model 1902 will certainly do it.



PRICES MANN'S CUTTERS.

No. 5C, with crank handle $6.00
No. 5 B with balance wheel..... 8.00
No. 5 BM, with balance wheel, on iron stand.. 10.00
No. 7 with balance wheel, on iron stand..... $12.00
No. 11, Power Machine..... 26.00

Other Hand and Power Machines' prices on application.

No. 5 C, capacity not quite equal to 5 B.

No. 5 B, same machine as 5 BM. Same capacity, but has no iron stand.

No. 5 BM intended for 15 to 25 hens. Mounted on iron stand. Capacity, 15 to 20 lbs. per hour.

No. 7, intended for 40 to 100 hens. Capacity, 30 to 60 lbs. per hour.

No. 11, intended for large flocks of over 100 fowls. Capacity, 100 lbs. per hour.

The capacity of these machines is approximate, as it cannot be stated positively. It depends entirely upon how the operator sets the machine and how fast he turns the power wheel. It is within his own control.

MANN'S CLOVER CUTTER.

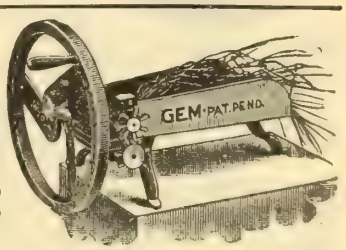
Made entirely of iron and steel.

No. B, with balance wheel.....$ 8.00
No. BM, with balance wheel, on iron stand..... 10.00

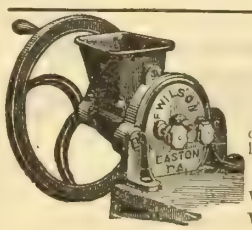
THE GEM CLOVER CUTTER.

ALL IRON AND STEEL.

CUTS GREEN OR DRY FINE.



Price ..... $ 9.00
" with legs..... 10.00



WILSON'S BONE AND SHELL MILL.

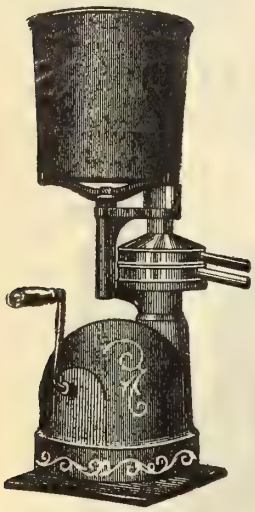
No. 1.—Grinds oyster or clam shells and dried bones, and is an excellent mill and largely used.
Will also grind corn.

Weight, without stand, 53 lbs..... $5.00
Weight, with stand 64 lbs..... 7.00

GRIFFITH & TURNER CO.

THE DAIRY

SHARPLES' CREAM SEPARATORS.



"Buttercup" Hand Separator.

This new tubular bowl machine fully meets the demand for a practical and efficient Separator of less capacity than our other sizes and at a correspondingly lower price.

The materials and construction employed in this machine are of the best quality, and it can be easily run to its full capacity with one hand by a woman or child.

Points of superiority of the Buttercup over any other small hand Separator are as follows:

Simplicity of construction and consequent durability.

Phosphor bronze gear instead of common brass, as used in some other kinds.

Great reserve capacity as by speeding up the machine the quantity separated can be increased fully fifty per cent.

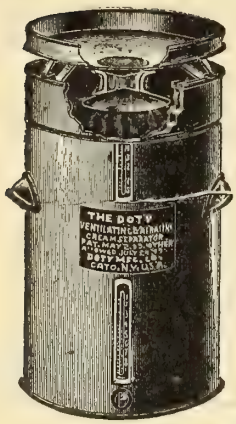
Simple bowl construction, admitting of perfect cleaning in a few moments.

Greater separating capacity in proportion to price than any other machine on the market.

Prices Buttercup Tubular Hand Separators.

No. 1 Buttercup, capacity 175 lbs. per hour	$50.00
No. 1¼ Buttercup, capacity 200 lbs. per hour	55.00
No. 2 Buttercup, capacity 250 lbs. per hour	65.00

The "Doty" Ventilating and Aerating Cream Separator.



REVERSIBLE COVER.

THIS COVER strains the milk and ærates it by striking on a disc below, whereby the milk is spread out into a sheet as thin as tissue paper. This cover can be reversed on the can, thus avoiding the use of a cloth cover. When the cover is reversed on the top of the can it gives a scientific process of ventilation for the milk, because it draws the foul air from the milk, instead of blowing it toward the milk, and thereby keeps your cream from drying out.

ANTI-WHIRLPOOL BOTTOM.

In this process of drawing off the milk, this bottom avoids the whirlpool action, which has a tendency to draw in the cream and allow it to escape. With this bottom any such action is prevented, thereby saving all the cream. This bottom is so constructed with a channel directly through the center, so that the under-current causes the breaking up of the whirlpool action which, without this channel, would surely form.

Brought to light from the experience of practical dairymen, shows that the diluted milk from our Separator is far superior to the undiluted sour milk from the pan system.

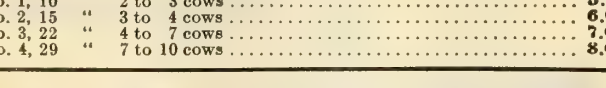
When the milk is mixed with oilmeal, or other meal, as mentioned elsewhere, it makes a stock food that cannot be surpassed.

One of its best features is the patent *Faucet*. The separated milk is let out through this faucet, which has a thread by means of which the flow of milk can be graduated from a full stream at first to almost a drop, so that every particle of the thin milk is let out, leaving all the cream in the can.

Directions for using furnished with each Separator.

No. 0 8 gallons 1 to 2 cows	$4.00
No. 1, 10 " 2 to 3 cows	5.00
No. 2, 15 " 3 to 4 cows	6.00
No. 3, 22 " 4 to 7 cows	7.00
No. 4, 29 " 7 to 10 cows	8.00

FLOATING GLASS THERMOMETERS.



Price, 25 cents each.

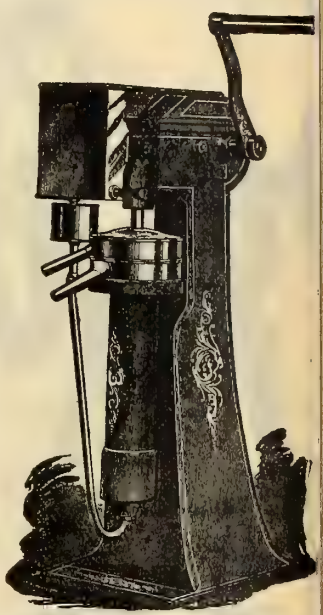
Eight-inch Dairy Thermometer, stands boiling water.

Price, 50 Cents Each.

Add 5 cents each if by mail for postage.

TUBULAR HAND SEPARATOR

Suspended Bowl, Bottom Feed, Low-down Supply Can, Easy Running, No Discs.



These tubular dairy machines mark a new era in the construction of Dairy Cream Separators.

The bowl of the 650-pound machine is only 2½ inches in diameter and weighs less than 7 pounds, including every revolving part, and requires even less power to run it at its full capacity than any 330-pound per hour hand machine in existence.

All the objectionable features of discs, cones, cylinders and other devices introduced in the bowl to facilitate separation, together with their attendant expense and maintenance, and the great amount of time and work required to clean and keep in perfect working order are forever done away with in the tubular bowl, and by reason of its small size and light weight the power necessary to run it to its fullest capacity is reduced to a minimum. No DISCS, PLEASE REMEMBER.

PRICES TUBULAR HAND SEPARATORS.

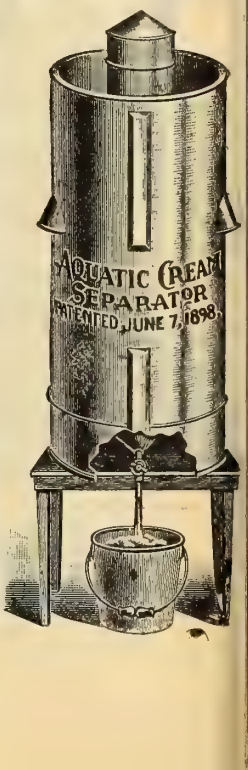
No. 2, Tubular Hand Separator, 275 lbs. per hour	$ 75.00
No. 3 " " " 350 lbs. per hour	90.00
No. 4 Tubular Hand " 450 lbs. per hour	100.00
No. 6 " " " 650 " " "	125.00
No. 9 " " " 900 " " "	150.00
Pulley Power Attachment (extra)	2.50

Can also furnish Steam Turbine Tubular Separators in three sizes; price on application.

Aquatic Cream Separator.

The milk goes direct from the cow into the Separator, and you don't have to *bother to get the milk to any certain temperature* in order to get out the cream quickly. The cream obtained from the milk is uniform, most free from taints, smooth and sweet. This new Separator has no cranks to turn, no machinery to run and keep in order, no repairing expenses. All that is required is ordinary well water.

By using this Cream Separator the separating may be done in any convenient place, as the milk goes direct from the cow to the Separator No machinery to run or look after. NO ICE REQUIRED. No chemicals used. Will run itself while you are doing other work. Within 30 to 60 minutes the cream is all raised, you turn the faucet, draw off the milk, then the cream, wash the Separator, and the job is done.



PRICE LIST OF AQUATIC CREAM SEPARATORS.

No. 0, capacity 7 gallons for 1 to 2 cows, 60 lbs. milk per day	$5.00
No. 1, capacity 11 gallons for 2 to 4 cows, 100 lbs. milk per day	$7.00
No. 1½, capacity 18 gallons for 3 to 4 cows, 150 lbs. milk per day	$8.00
No. 2, capacity 30 gallons for 5 to 7 cows, 200 lbs. milk per day	$9.00
No. 3, capacity 50 gallons for 8 to 15 cows, 400 lbs. milk per day	$11.00

Directions furnished with each Separator.

GRIFFITH & TURNER CO.

THE DAIRY — CONTINUED. — "IRON CLAD" MILK CANS

BALTIMORE PATTERN.

The BALTIMORE PATTERN

THIS CUT illustrates it. It is the standard "Iron Clad" Baltimore Pattern Milk Can. Smooth inside surface, without crevices or protruding rivet heads, which enables Cans to be **easily, quickly and thoroughly cleaned.**

"Iron Clad" Milk Cans are made of **steel and heavily tinned by the hand dipping process AFTER they are formed.**

Look for the **Trade Mark "Iron Clad"** stamped in each and every can. No other tin-plate Cans bear this trade mark.

We also carry a cheaper Can, known as the **Competition Baltimore**, in order to meet the demand for a lower-priced article. They are well made, but not so heavily tinned. **Our charge for marking name on Can will be 25 cents each.**

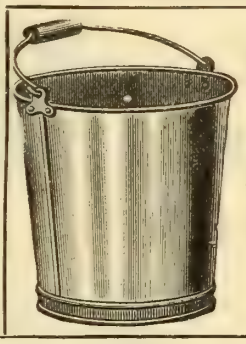
THE BALTIMORE PATTERN.

20-qt....$2.40 30-qt....$2.90 40-qt....$3.20

SPECIAL PRICES IN QUANTITIES.

Second quality or Competition Baltimore, 20-quart, $2.20.

Marking names on all Cans, 25 cents.



MILK PAIL.

MADE OF BEST TIN.

PRICE.

No. 110—10 qts.....30c.
" 112—12 qts.....40c.
" 510—10 qts.....45c.
" 512—12 qts.....50c.
" 514—14 qts.....60c.

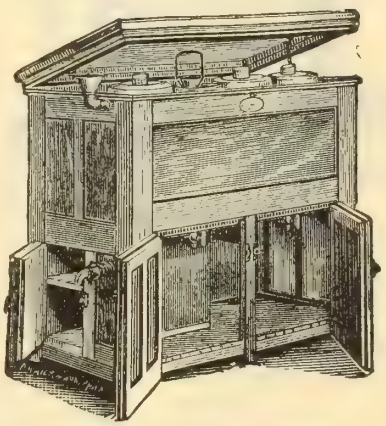
IOWA CREAMERY CAN.

	Price.
20-qt.....	$1.65
32-qt.....	2.00
40-qt.....	2.10

SPECIAL PRICES IN QUANTITIES.

Marking names on all Cans, 25c. each.

IOWA.



Stoddard Creamery.

With or without special refrigerator, thorough in construction, simple in operation, accurate in its working.

Family class. Each can holds 2½ gallons.

No.	No. of Cans.	No. of Cows.	Plain Creamery.	With Special Refrigerator.
2....	2	2	$20.00	.....
3....	3	3 to 4	26.00	$31.00
4....	4	5 to 6	32.00	37.00

Dairy class. Each can holds 5 gallons.

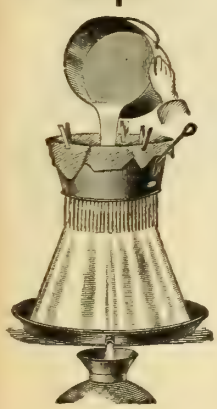
No.	No. of Cans.	No. of Cows.	Plain Creamery.	With Special Refrigerator.
2....	2	5 to 6	$25.00	.....
3....	3	7 to 9	31.00	$36.00
4....	4	10 to 12	37.00	42.00
5....	5	13 to 15	43.00	48.00
6....	6	15 to 18	49.00	54.00
8....	8	20 to 24	61.00	66.00
10....	10	25 to 30	73.00	78.00
12....	12	30 to 36	85.00	90.00

Subject to special discount.

No. 2 Family Class and No. 2 Dairy Class are not made with separate refrigerator compartment unless so ordered.

The above prices do not include partitions, nor more than one water faucet. If partitions or extra water faucet is wanted they will be furnished at **$1.00** each.

Champion Automatic Milk Cooler-Aerator.



The Champion Milk Cooler-Aerator consists of three parts:

FIRST.—The Cooling Drum. An open-top cone made of the best quality heavy tin, and provided with a **heavy galvanized iron bottom.** This drum is provided with an inlet pipe and an overflow pipe, and at the bottom with a trough to collect the milk, it is vented at the top to allow the escape of the rising vapor; it is also painted inside with a heavy coat of **anti-rust paint.** When running water is used the inlet pipe is to be connected by hose with the water supply, which entering the bottom forces itself up through the cone, and the warm water being the lighter rises to the top, passing off at the overflow pipe. If ice water or well or spring water are used the inlet pipe may be closed and the drum filled from the top.

SECOND.—The Milk Receiver and Strainer Combined. This is also of tin and fits tightly over the cooling drum, and is provided with a circular row of perforations so arranged as to deliver the milk in fine streams, at some distance below the top of the cooling drum. This receiver has a pitched bottom, hence every drop of milk will run out readily. When the milk strikes the cooling drum it spreads in a thin sheet over the surface and passes down to the trough, from which it is delivered into the can through an outlet provided.

THIRD.—An Agitator. This is an iron rod with a tin disc on the end. This rod is allowed to project through the ventilating tube, and when running water is not used, the cooling medium, whether it be ice, cold well or spring water, should be occasionally agitated by means of this rod to force the cool water to the surface of the cone.

PRICES CHAMPION COOLER.

The following sizes of the Champion are guaged as nearly as possible to take care of the milk as fast as drawn from various sized dairies with the average number of milkers. Be sure to get one large enough, as best cooling results are obtained with low pressure of milk in the receiver.

No.	Capacity of Milk Receiver.	Size of Dairy.	Takes Care of	List Price.	Retail Price.
1	10 quarts	1 to 10 cows	2 Milkers	$7.00	$5.50
2	18 quarts	10 to 25 cows	3 Milkers	7.00	5.50
3	34 quarts	25 to 50 cows	5 Milkers	8.00	6.50
4	52 quarts	50 to 100 cows	8 Milkers	10.00	8.00

Extra sizes on special orders. Prices include double cheese cloth strainer and spring pins.

STRAINERS.—Strainers of the finest mesh wire cloth (100 meshes to the inch) furnished at following prices: No. 1 and No. 2, $1.00; No. 3, $1.25; No. 4, $1.50.

PARCHMENT BUTTER PAPER.

This paper is made of the choicest linen and cotton fibre, same as used in fine writing paper and is far superior to wax paper, which, under the action of acid and juices, decomposes, and thus becomes worthless, and its coating may effect the contents of the package. On the contrary, our Parchment Paper is unaffected by contact with liquid or oils, and becomes like vellum when dampened. It can be used in all cases where wax paper, tin foil, or muslin have been adopted, and in many cases where these cannot, for preserving goods from the effects of moisture, etc.

In sheets 24x36, or can furnish the paper cut in the following sizes without extra charge, 6x9 for half pounds, 9x12 for one pounds, and 10x15 for two pounds. Price, **20c.** per pound; by mail, **35c.**; six pounds, **$1.00.**

RICE'S Calf Weaners

Also prevents cows from sucking themselves.

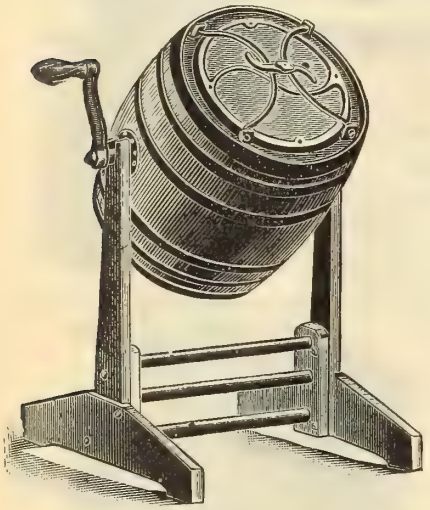
No. 1, for Calves, **30c.**; by mail, **35c.**

No. 2, for Heifers, **50c.**; by mail, **56c.**

No. 3, for Cows, **75c.**; by mail, **85c.**

THE DAIRY —Continued.

The Baltimore Favorite Churn.



Patented July 5, 1891.

It is made of thoroughly seasoned material. It is finished smooth inside as well as outside. The iron ring head is strong, and not liable to break. The balls are fastened to the iron ring, where they need to be fastened.

We furnish pulleys for power. Prices extra, according to size desired. Directions for using in each Churn.

Write for Special Discount for Cash.

PRICES.

	List Price.	Retail Price.
No. 0, 5 gal. to churn 2 gals.	$8.00	$5.00
No. 1, 10 gal. to churn 5 gals.	8.50	5.25
No. 2, 15 gal. to churn 7 gals.	9.00	5.50
No. 3, 20 gal. to churn 10 gals.	10.00	6.25
No. 4, 25 gal. to churn 12 gals.	12.00	7.50
No. 5, 35 gal. to churn 17 gals.	16.00	10.00
No. 6, 60 gal. to churn 30 gals.	26.00	16.00
No. 7, 75 gal. to churn 37 gals.	30.00	18.50
No. 8, 90 gal. to churn 45 gals.	35.00	20.00

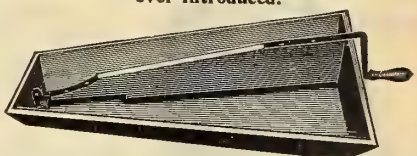
Improved Cedar Cylinder Churns.

There are a number of Cylinder Churns on the market sold at a lower price, but they are made of pine or other inferior wood, while these are all of Selected Cedar, free of knots.

	Retail Price.	List Price.
No. 1, 2¾ gals.	$1.75	$2.50
No. 2, 4 gals.	2.00	3.00
No. 3, 7 gals.	2.25	3.50
No. 4, 10½ gals.	2.50	4.00

ACME BUTTER WORKER.

The Greatest Labor Saver for the General Butter Maker ever Introduced.



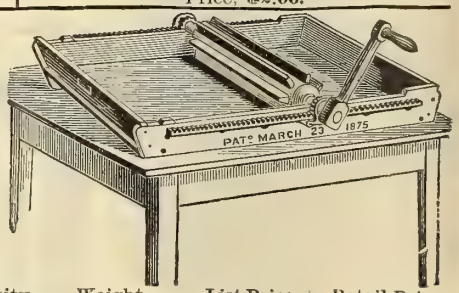
A glance at the cut shows its simplicity, how it sets on a table or bench, held fast with a neat little clamp, leaving both hands free to work the butter.

It is the only worker made in which butter can be washed (same as in a bowl), then the water drawn off and the butter worked without delay. It is light—weighing but 10 pounds, working anywhere from 2 to 10 pounds and doing it so easily and quickly that 50 pounds can be handled in a very few minutes. It is well made of the best poplar and maple lumber with all iron parts galvanized.

Several parties making from 20 to 50 pounds of butter a week are now using it.

Price, $2.00.

REID'S BUTTER WORKER



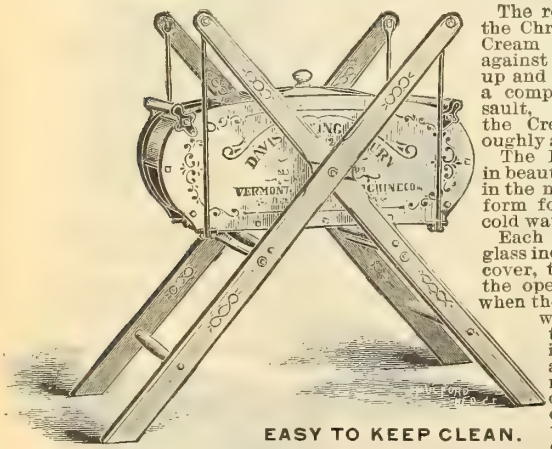
Inside Measurement.	Capacity.	Weight.	List Price.	Retail Price.
No. 1, 23x36x2½ inches	50 lbs.	45 lbs.	$10.00	$8.00
No. 2, 20x36x2½ "	30 "	29 "	8.00	6.40
No. 3, 17x27x2½ "	20 "	25 "	7.00	5.60
No. 4, 14x24x2½ "	10 "	20 "	6.00	4.80

Larger size, especially designed for mixing, re-working and coloring, or for creamery use.

Inside Measurement.	Capacity.	Weight.	List Price.	Retail Price.
No. 0, 23x37x3 inches	75 lbs.	60 lbs.	$12.50	$ 9.38
No. 00, 23x56x3 "	112 "	80 "	15.00	11.25
No. 000, 23x72x3 "	150 "	100 "	18.00	13.50

When desired, we can send legs along with any size machine for $4.00 extra, which can be set up after arrival at destination.

DAVIS SWING CHURN.



EASY TO KEEP CLEAN.

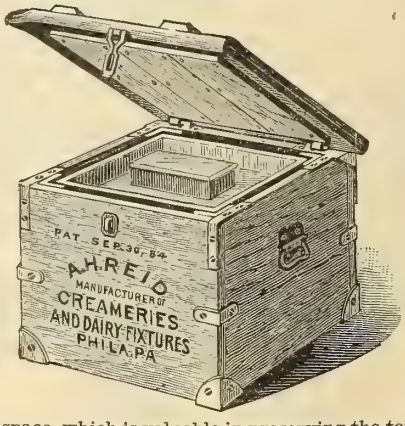
The round ends of the Chrun cause the Cream as it strikes against them to slide up and over, turning a complete somersault, consequently the Cream is thoroughly agitated.

The Butter comes in beautiful granules in the most desirable form for washing in cold water or brine.

Each Churn has a glass indicator in the cover, thus enabling the operator to tell when the butter comes without raising the lid. The lid is ventilated and there is no slopping or dripping of cream. Easy to operate, any child can do it.

Size.	Will Churn.	Capacity.	Price.
No. 1	4 gals. or less	8 gals.	$ 7.00
No. 2	5 " "	10 "	8.00
No. 3	8 " "	16 "	10.00
No. 4	10 " "	20 "	12.00
No. 5	13 " "	26 "	15.00
No. 6	17 " "	34 "	18.00
No. 7	30 " "	60 "	25.00
No. 8	40 " "	80 "	30.00
No. 9	50 " "	100 "	35.50

BUTTER BOXES



Are made of well-seasoned lumber, iron-bound at the edges and capped at the corners, as shown in the engraving. Malleable detachable hinges and corner plates combined, giving greater strength and durability than any other box, to which especial attention is called. The trays for the butter are let down into the box, one upon another, and may be put in or lifted out with the butter in them. A movable ice box is placed in the center; when this is not used, a strip provided for the purpose, may be placed in the bottom of each tray to fill up the space. The four sides of the trays are surrounded by a non-conducting air space, which is valuable in preserving the temperature and saving the ice. Malleable iron chest handles, well secured to the sides of the box, make it convenient to carry. These boxes are specially suited for square or oblong prints.

Capacity,	20 Pound Prints,	$3.75	36 Half Pound Prints,	$4.50
"	30 " "	4.25	64 " " "	5.25
"	40 " "	4.75	80 " " "	5.50
"	56 " "	5.00	100 " " "	6.00
"	80 " "	5.50	120 " " "	6.50
"	96 " "	5.75	140 " " "	7.00
"	120 " "	6.00		

GRIFFITH & TURNER CO.

THE DAIRY--Continued.

The Keystone Dehorning Clippers.

The practice of dehorning cattle is coming more and more into vogue. It is a mercy to the animals. Prevents goring. Does not crush the horns. No twisting motion or second cut on horn. Parts are all interchangeable, and can be replaced at any time. It is approved by veterinary surgeons and leading dairymen.

"The horns must go, and they cannot go too soon."

PRICE.

Clipper, with Leader and rope, extra Blades and Screw, fully warranted..... $12.00
Clipper alone..... 10.00

We furnish a cheaper Clipper than the above that is superior to any of the cheap Clippers made, but do not recommend it as broadly as the Keystone, which has no equal. Price, $8.00.

Perfection Calf Dehorner.

ANYONE CAN OPERATE IT.

This takes the place of acids and is cheaper, is not painful, no more so than extracting a loose tooth, as the young horns are not firmly set in the head. It will dehorn calves from two weeks to three months old. It is 16¼ inches long; weight, 2½ pounds, and opens 1½ inches. The frame and lever are malleable iron; the blades are of the best steel.

PRICE LIST.

Perfection Calf Dehorners, including sample box of Perfection Cream, and full instructions for operating, etc.:
Net, Plain..... $3.50
Net, Nickel Plated..... 5.00
Perfection Cream, per pound..... .50
Discount on five-pound orders.

GUARANTEE.

The Calf Dehorner is fully guaranteed for one year, and if from any defect it breaks or gives out during this time duplicate parts will be furnished free of cost by sending us the part broken.

Common Sense Calf Feeder.

THE UNDERLYING PRINCIPLE of the Calf Feeder is, the calf by sucking its milk takes it slowly and mixes the saliva of the mouth with the milk, which makes it spongy instead of a solid indigestible lump formed when the milk is gulped down from a bucket. This is the greatest cause of SCOURS.

We have both a single and double feeder. One calf can use the double feeder as each part works independently of the other.

As it really has merit, we have contracted for a supply of them. It was awarded gold medal at the Pan-American Exposition. Over 50,000 in use. Adopted by experimental farms. Extra gain—one calf in eight weeks. Pays for two feeders.

Single Feeder (2 nipples), $1.50.
Double Feeder, 2.00.

COWS' RELIEF cures caked bags, heals sore teats, cures spider in the teat. The original.

CALVES' CORDIAL cures SCOURS in cows and calves in one day.

ARABIAN SCRATCHES AND GALL CURE is without an equal. It cures every horse every time.

President Marston, of the Michigan Experimental Farms, says: I have used all the above and have placed my order for more. I have tried every calf FEEDER, BUT LIKE YOURS THE BEST."

Single Calf Feeder (2 nipples)..... $1.50
Double or Twin Feeder..... 2.00
Calf Nipples and Long Tubing, each..... .15
Cows' Relief—½-pound box..... .50
" " 1½ " " 1.00
Calves' Cordial..... .50
Arabian Scratches and Gall Cure—3 ounces..... .25
" " " " " 9 " ..... .50

SO-BOS-SO

(KILFLY.)

So-Bos-so (*Kilfly*) is a liquid mixture designed to protect cows and horses from torture of flies. The preparation is positively harmless. It is uesd with splendid results as a disinfectant and germicide. The *Electric Sprayer* discharges the So-Bos-so (*Kilfly*) in a fine, broad spray. From 30 to 50 cows can be sprayed in a few moments. The *Electric Sprayer* is detachable, and thus may be thoroughly cleaned. It can be used for spraying potato vines with Paris green, and for all other purposes that a sprayer is generally used.

If your animals are troubled with lice, use So-Bos-so (*Kilfly*). Spray your poultry house with So-Bos-so (*Kilfly*). It kills lice, or any vermin that may infect the fowls.

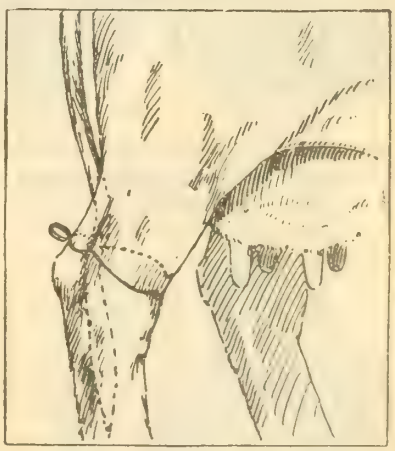
Different members of our company have tested "So-Bos-so" on their own cattle and horses, and we can assure the public that the claims of the manufacturers are correct and not overdrawn.

Put up in one-gallon cans. Price, 75c. per gallon.
Electric Sprayer, price, 50c.

Trapp's Patent Cow Tail Holder.

If you wish to make it pleasant in milking you should use TRAPP'S PATENT COW TAIL HOLDER.

They are made of the best steel spring wire, very easily and quickly operated and holds the tail firmly and does not irritate or make the cow kick and are highly endorsed by Dairymen, as thousands are using them.



Easily and Quickly Operated.

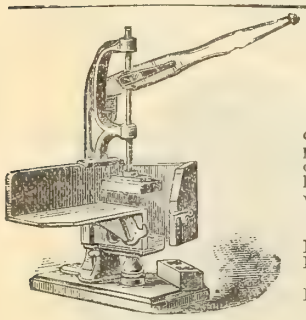
Holds the Tail Firmly.

Does Not Irritate or Make a Cow Kick.

In order to be fully supplied with the Holder each milker should hav two, one for the cow being milked and one for the cow just behind as very often the cow back of the milker will switch more than the cow being milked.

Retail price, 15c. Two for 25 cents.

THE DAIRY.—CONTINUED.



Reid's Self-Gauging Butter Printer.

Prints Butter very neatly and quickly. Weighs into pounds or half pounds, as desired. Does it in one quarter the time it can be done by hand, making prints of uniform weight. Moulds are square.

PRICE.

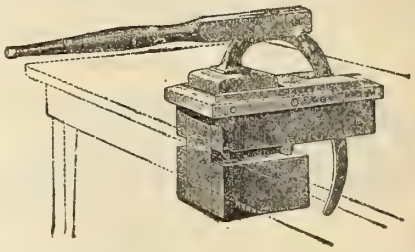
Either pound or half pound	$10.00
Both pound and half pound combined	13.50
Extra for Initials and monograms	1.50

Lafayette Butter Printer

This is also self-gauging. Intended for use in creameries, but more especially for re-printing. Very simple and handy.

Either pound or half pound with table, $15.00.

Either pound or half pound, without table, $10.00.



BUTTER MOULDS.

These moulds are *hand-carved* by first-class workmen, and the designs are new and pretty. Only the best *selected* maple is used for these moulds, and they are perfectly seasoned, hence *do not warp* out of shape—a great objection against other moulds on the market.

Brick Butter Mould.

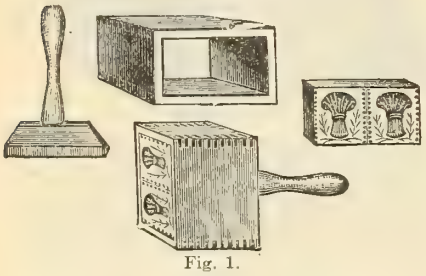


Fig. 1.

Seeley Pattern. Furnished with sheaf of wheat. Movable block, ½ lbs.

Fig. 2.

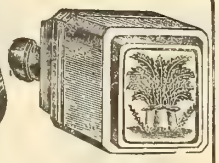


Fig. 3.

Extra Heavy Brick Butter Mould.

PHILADELPHIA PATTERN.

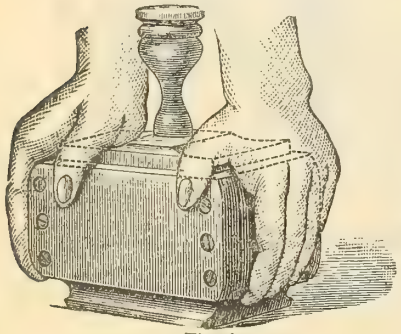


Fig. 4.

(This shows the way this mould is used.)

PRICES MOULDS, PRINTS, Etc.

Fig. 1—Seeley Pattern, ½ lbs	$ .60
" 2—R. & B. ½ lbs., round	.25
" 2— " 1 " "	.30
" 3— " ½ " square	.30
" 3— " 1 " "	.35
" 4—Phila. Pattern, ½ lbs	1.25
" 4— " " 1 "	1.50
" 5—Round Prints, ½ "	.10
" 5— " " 1 "	.12

LADLES AND SPADES.

Fig. 6, No. 1 spades, 3½x12 in.	$ .10
Plain Spades, turned handles, 3x12 in.	.10
Same, 4x12 in	.10

Dairy Ladles.

Fig. 7—5x12 in.	$ .15
" 7—6x12 in.	.20
Anderson Butter Ladle, 5½x9½ in	.15
R. & B. No. 4 Butter and Berry Ladle, 4x10½ in.	.10
Fig. 7, factory size, 16x7½ in	.40

Extra Dairy Ladle.

Size, 6x12 inches, 20c.

Can also furnish Factory Ladle, size 16x7½ inches.

PYRAMIDAL MILK STRAINER.

Fig. 8. Extra heavy, retinned.

WILL NOT CLOG; HAS LARGE STRAINING SURFACE.

Finer cloth can be used than on a flat strainer. In the use of the latter the sediment would be drawn onto the strainer and clog it, while with the pyramidal shape the milk falls on the point of the strainer and the sediment is washed off and settles at the base, leaving a clean surface through which the milk passes rapidly.

Fig. 8—Pyramidal Strainer, with rest	$1.25
Same, without rest	1.10

THE CHAPMAN PATENT CHANGEABLE STRAINER.

Fig. 9. A 80-Sieve. C 40-Sieve. B Fastener.

MODEL No. 2.

WITH CHEESECLOTH ATTACHED.

For the use of small dairies or for household purposes, for which a medium sized strainer is used; such as Fruit, Paint, Vinegar, Lard, etc.

MODEL No. 3. (See cut).

WITH CHEESECLOTH ATTACHMENT.

Especially adapted to the use of large, top straight cans.

The shape of No. 3 is such that it can be used on any sized can, either small or large top.

Fig. 9—Chapman Strainer, model No. 2.	$ .75
Same, model No. 3	1.00
Fig. 10—Bowls, 15 in.	.25
" 10— " 17 "	.40
" 10— " 19 "	.60

Fig. 5.

BUTTER PRINTS.

Common Hardwood Prints, hand carved, assorted designs; sizes, 4 and 4½ inches; ½ and 1 lb.

10 and 12c.

PLAIN BUTTER SPADES.

(Packed in Barrels.)

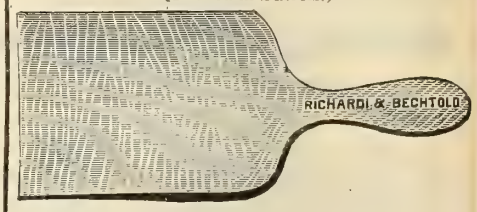


Fig. 6.

No. 1—Size, 3½x12.

DAIRY LADLE.

HARD MAPLE.

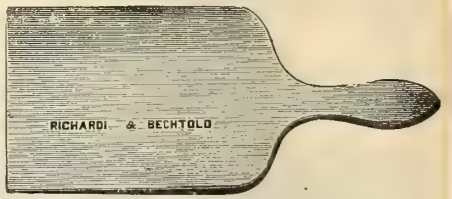


Fig. 7.

Size, 5x12 inches.

Fig. 8.

Fig. 9.

POLISHED MAPLE BOWLS.

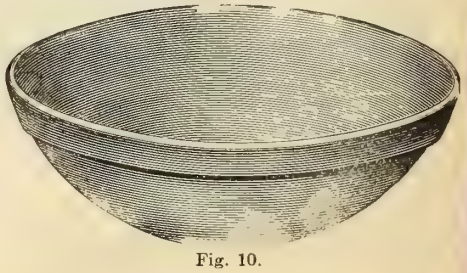
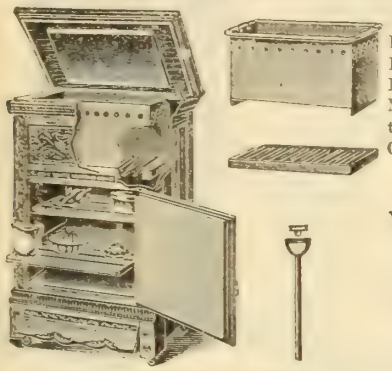


Fig. 10.

Guaranteed Full Measurement.

GRIFFITH & TURNER CO

"WHITE MOUNTAIN" REFRIGERATORS.



This Illustration Shows the Perfect Ease with which the Ice Chamber Shelves, Waste Pipe and Grate in a "White Mountain Grand" Refrigerator May be Removed for Cleaning.

STYLE OF

White Mountain Grand Refrigerator.

Nos. 203 and 204.

You will note that our patent "Maine" Ice Grate takes out through the top. The basket is entirely independent from this grate, resting on same when in place, but taken out separately. A new and interesting feature of this Refrigerator is the fact that the shelves slide back and forth, so that an article at the back of the Refrigerator is easily obtained without reaching in for it.

No.	Lbs. Ice.	Length.	Depth.	Height.	Factory List Price.	Retail Price.
203	80	30 inch.	21 inch.	44 inch.	$26.00	$15.60
204	100	33 "	22 "	46 "	29.25	17.55

They are sanitary Refrigerators. They have positive dryness.

They have the best and latest scientific method of Cold Dry Air Circulation.

They are more attractively and artistically decorated than any other Refrigerator.

They are economical in the use of ice.

They preserve food perfectly.

The insides of our Refrigerators are entirely lined with metal.

No wood is exposed to get damp and soggy.

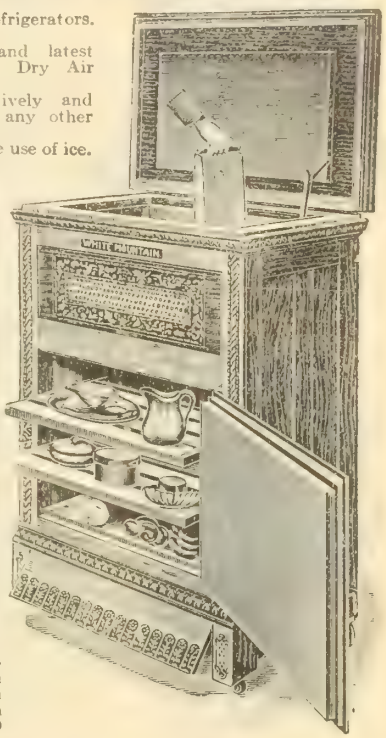
Our Patent Trap positively prevents all odor from the overflow from working back into the ice chamber.

They have heavy and thick walls with dead air space, which, with our high-grade charcoal sheathing, makes a thoroughly insulated wall, through which it is impossible for warm air to penetrate.

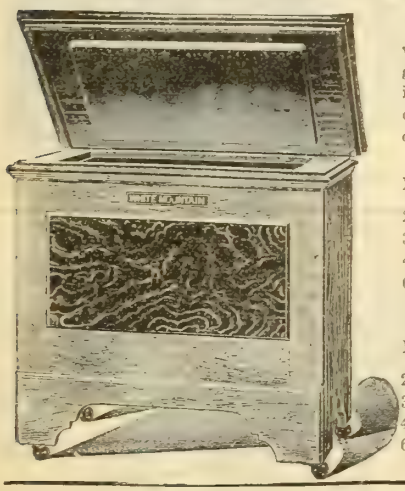
Our Refrigerators are all furnished with galvanized steel shelves, which allow a current of cold, dry air to pass in and out among the dishes.

Send for Special Refrigerator Catalogue. There is now a large demand for Refrigerators fitted with Porcelain-Lined Water Coolers, and we are prepared to furnish any Refrigerator which we manufacture, made in this way, at an advance in list price of..... $6.50

Retail $3.90



White Mountain Ice Chests.



They have thick, heavy walls, thoroughly insulated; galvanized steel shelves and ice racks, and are mounted on casters that will not drop out.

No.	Length.	Depth.	Height.
2½	27 in.	20 in.	27 in.
3	29 in.	21 in.	29 in.
4	31 in.	22 in.	31 in.
6	35 in.	23 in.	33 in.

No.	Factory List Price.	Ret'l Price.
2½	$ 8.25	$5.00
3	10.75	6.50
4	13.00	7.80
6	15.50	9.30

White Mountain Hardwood Refrigerator

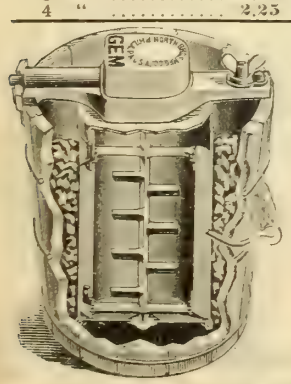
The illustration above shows our single door "White Mountain" Refrigerator made from hardwood and finished in our beautiful "Golden Oak." They are trimmed with a lever surface lock of strong and handsome design and with hinges of a pattern to correspond. No mistake can be made in buying this style of Refrigerator, for they are wonderfully low in price, always sell rapidly, and give perfect satisfaction to the most fastidious. Heavy air-tight walls, thoroughly insulated, swing base, sliding shelves of galvanized steel.

No.	Lbs. Ice.	Length.	Depth.	Height.	Factory List Price.	Retail Price.
112	45	26 inch.	19 inch.	40 inch.	$17.00	$10.25
113	80	30 "	20 "	43 "	20.75	12.50
114	100	33 "	21 "	45 "	23.50	14.10
115	125	36 "	22 "	47 "	28.50	17.10

The Blizzard Freezer.

This is pre-eminently the best low-priced Freezer on the market. Easy running; economical and convenient in use. Single action. Dasher is same as in GEM, and has AUTOMATIC TWIN SCRAPERS.

1 Quart	$1.35	6 Quart	$2.75
2 "	1.60	8 "	3.60
3 "	1.90	10 "	4.75
4 "	2.25		



The Gem Freezer.

Double action; can and dasher revolving in opposite directions. Automatic Twin Scrapers.

PRICES:

1 Quart	.....	$1.50
2 "	.....	1.85
3 "	.....	2.10
4 "	.....	2.50
6 "	.....	3.25
8 "	.....	4.25
10 "	.....	5.25
12 "	.....	6.50
14 "	.....	7.30

White Mountain Pine Refrigerator.

These are made from the best quality of well-seasoned pine lumber, handsomely finished in the new and beautiful "Flaked Golden Oak."

No.	Lbs. Ice.	Length.	Depth.	Height.	Factory List Price.	Retail Price.
101	30	24 in.	18 in.	38 in.	$12.50	$7.50
102	45	26 in.	19 in.	40 in.	14.25	8.55
103	80	30 in.	20 in.	43 in.	17.50	10.50
104	100	33 in.	21 in.	45 in.	20.00	12.00

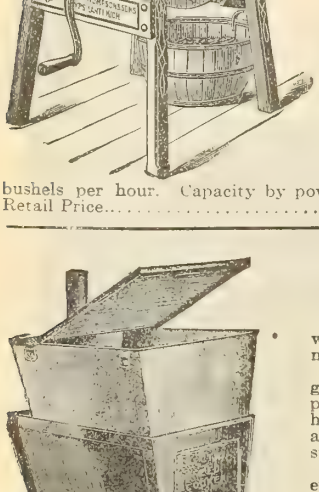
Ice Chipper.

Takes the place of the old time bag and hatchet; quickly reduces the ice to uniformly small pieces, about size of peanuts. Ice chipped in such pieces, cream can be frozen more rapidly and smoothly because it packs more solidly around the can.

Price ..... 50c.

GRIFFITH & TURNER CO.

THE BANNER ROOT CUTTER.



Built in three sizes for both Hand and Power.

Simple in construction. Easy to operate. Has a self-feeder. Separates dirt from cut feed. Cuts with a clean cut. Does not crush, grind or tear the feed.

The No. 20—For Hand Use.

Has a capacity of 30 to 50 bushels per hour.

Retail Price..... **$9.00**

We will have on market Crank Cutter, built with balance wheel, same to be of large capacity on which we can make very low prices.

The No. 16—Small Power Cutter.

With Fly Wheel and Band Wheel.

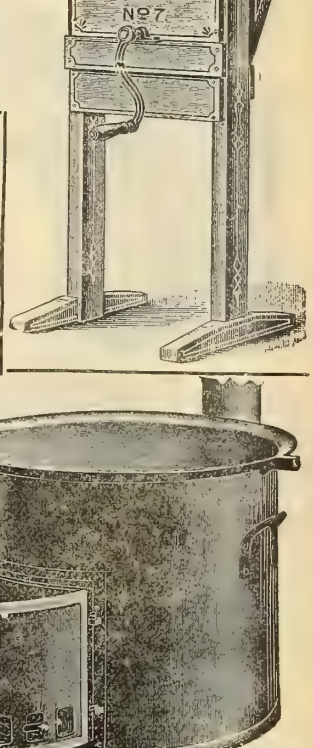
Supplied with crank also for hand use. Capacity by hand, 30 to 50 bushels per hour. Capacity by power 2 to 3 bushels per minute. Our Retail Price..... **$13.00**

BANNER ROOT CUTTER

NO. 7.

This cutter is adapted especially for poultry men and farmers or for suburban residents keeping a couple of cows. Cuts roots and vegetables into fine chicken feed. Capacity, one bushel in about five minutes.

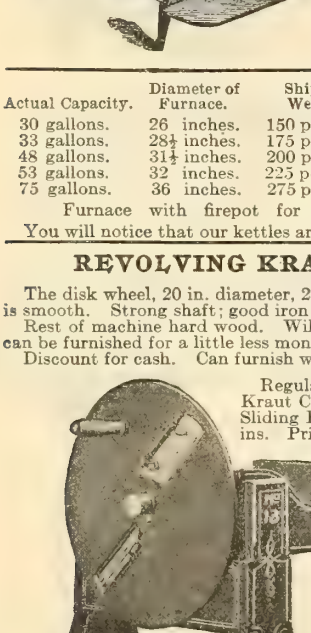
Price **$5.00**



BALTIMORE ELECTRIC FEED COOKER.

No. 1—25 Gals.	.....	**$12.50**
" 1—40 "	.....	**15.00**
" 1—50 "	.....	**17.00**
" 1–100 "	.....	**23.00**

This is the best Cooker on the market. For a cheaper, but good Cooker, see Baltimore Reliable, below.



BALTIMORE RELIABLE FEED COOKER AND WATER HEATER COMBINED.

Twenty-gallon size, made to burn wood only; 35, 50 and 100 gallon sizes made to burn coal or wood.

The boiler is made of No. 14 heavy galvanized steel. The furnace complete consists of door frame, grate, plate, hearth and legs. The legs are cast separately so they can be packed as to insure safe delivery.

The accompanying illustration is an exact reproduction of the Standard Reliable Stock Food Cooker and Water Heater combined.

No. 0, 20 gallons, length 24 in., weight 60 lbs.....	**$ 6.50**
No. 1, 35 gallons, length 30 in., weight 110 lbs.....	**10.50**
No. 3, 50 gallons, length 44 in., weight 158 lbs.....	**13.50**
No. 4, 100 gallons, length 54 in., weight 175 lbs.....	**18.00**

G. & T. BOILER AND FEED COOKER

SPECIAL FEATURES.

Heavy cold rolled steel furnace; extra large feed door; wrought iron handles, firmly riveted on.

The kettles are of smooth, heavy cast iron. Door, frame and flue collar cast iron.

Will never buckle or warp from the heat. It is designed to set on the ground or brick foundation, and is especially adapted for cooking feed, rendering lard, making soap, scalding hogs and poultry, and all work of this nature. Cast-iron flues are constructed inside this, retaining the heat and greatly economizing fuel

We always ship furnace for wood fuel unless otherwise specified.

Actual Capacity.	Diameter of Furnace.	Shipping Weight.	List Price.	List of Furnace Without Kettle.	Ret'l Furnace With Kettle.	Ret'l Furnace With't Kettle.
30 gallons.	26 inches.	150 pounds.	$13.00	$ 7.75	$ 9.75	$5.61
33 gallons.	28½ inches.	175 pounds.	14.00	8.00	10.50	6.00
48 gallons.	31½ inches.	200 pounds.	16.50	9.00	12.40	6.75
53 gallons.	32 inches.	225 pounds.	18.00	10.00	13.50	7.50
75 gallons.	36 inches.	275 pounds.	26 00	12.00	18.50	9.00

Furnace with firepot for coal, add to list, List Price, $4.50. Retail, $3.25.

You will notice that our kettles are rated at exact capacity, so do not overlook this when comparing our prices with other makes, as others have been usually rated at from 10 to 25 ga lons more than ours, but hold the same.

COOK STOVE DRIER.

It is a Little Gold Mine.—No labor you can perform for cash returns pays as well as that of converting wasted fruits into evaporated stock. These products are among the highest priced luxuries in food products. Evaporated Peaches, Cherries and Raspberries, 20 to 25 cents per pound; Apples, Pears, Blackberries, etc., 10 to 15 cents; all salable to or may be exchanged with your grocer for anything he sells. RECALL THE WASTE OF FRESH FRUITS on the farm or town lot FOR SEASONS PAST. Price, $5.

REVOLVING KRAUT CUTTER No. 13.

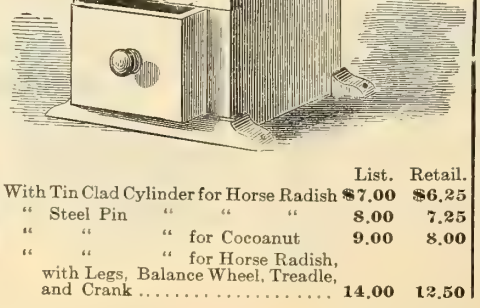
The disk wheel, 20 in. diameter, 2 adjustable steel knives. Face of wheel is smooth. Strong shaft; good iron boxes.

Rest of machine hard wood. Will do fast work. Wheel with rough face can be furnished for a little less money. Price..... **$8.00**

Discount for cash. Can furnish with 3 knives, if desired.

Regular 3-knife Kraut Cutter, with Sliding Box, 8 x 26 ins. Price, $1.25.

Horse-Radish Graters.



	List.	Retail.
With Tin Clad Cylinder for Horse Radish	$7.00	$6.25
" Steel Pin " " "	8.00	7.25
" " " for Cocoanut	9.00	8.00
" " " for Horse Radish, with Legs, Balance Wheel, Treadle, and Crank	14.00	12.50

GRIFFITH & TURNER CO

VALUABLE INFORMATION.

FUNGICIDES.

BORDEAUX MIXTURE.

Copper Sulphate . . . . . 6 pounds.
Quicklime . . . . . 4 pounds.
Water . . . . . 40-50 gallons.

Dissolve the copper sulphate by putting in a bag of coarse cloth and hanging this in a vessel holding at least 4 gallons, so that it is just covered by the water. Use an earthen or wooden vessel. Slack the lime in an equal amount of water. Then mix the two, and add enough water to make 40 gallons. It is then ready for immediate use, but will keep indefinitely. If the mixture is to be used on peach foliage, it is advisable to use an extra pound of lime to the above formula. When applied to such plants as carnations or cabbages, it will adhere better if about a pound of hard soap be dissolved in hot water and added to the mixture. For rots, molds, mildews, and all fungous diseases.

AMMONIACAL COPPER CARBONATE.

Copper carbonate . . . . . 1 ounce.
Ammonia enough to dissolve the copper.
Water . . . . . 9 gallons.

The copper carbonate is best dissolved in large bottles, where it will keep indefinitely, and it should be diluted with water as required. For the same purpose as Bordeaux Mixture.

COPPER SULPHATE SOLUTION.

Copper Sulphate . . . . . 1 pound.
Water . . . . . 15 gallons.

Dissolve the copper sulphate in the water, when it is ready for use. This should never be applied to foliage, but must be used before the buds break. For peaches and nectarines, use 25 gallons of water. For fungous diseases.

INSECTICIDES.

PARIS GREEN. (Arsenites.)

Paris Green . . . . . 1 pound.
Water . . . . . 200-300 gallons.

If this mixture is to be used on peach trees, 1 pound of quicklime should be added. Paris Green and Bordeaux Mixture can be applied together with perfect safety. Use at the rate of 4 ounces of the arsenites to 50 gallons of the mixture. The action of neither is weakened, and the Paris Green loses all caustic properties. For insects which chew. If to be used in our little sprayers, this solution is too weak. Use the smaller quantity of water.

LONDON PURPLE.

This is used in the same proportion as Paris Green, but, as it is more caustic, it should be applied with two or three times its weight in lime, or with the Bordeaux Mixture. The composition of London Purple is exceedingly variable, and unless good reasons exist for supposing that it contains as much arsenic as Paris Green, use the latter poison. Do not use London Purple on peach or plum trees, unless considerable lime is added. For insects which chew.

HELLEBORE.

Fresh White Hellebore . . . . . 1 ounce.
Water . . . . . 2 gallons.

Apply when thoroughly mixed. This poison is not so energetic as the arsenites, and may be used a short time before the sprayed portions mature. For insects which chew.

KEROSENE EMULSION.

Hard Soap . . . . . ½ pound.
Boiling Water . . . . . 1 gallon.
Kerosene . . . . . 2 gallons.

Dissolve the soap in water, add the kerosene, and churn with a pump for 5 to 10 minutes. Dilute 10 to 25 times before applying. Use strong emulsion for all scale insects. For insects which suck, as plant lice, mealy bugs, red spider, thrips, bark lice, or scale. Cabbage worms, currant worms, and all insects which have soft bodies, can also be successfully treated.

HOW AND WHEN TO SPRAY.

PLANT.	FIRST APPLICATION.	SECOND APPLICATION.	THIRD APPLICATION.	FOURTH APPLICATION.	FIFTH APPLICATION.
Apple.—(Canker worm, codling moth, bud moth, scab.)	Spray before buds start, using copper sulphate solution.	After the blossoms have formed, but before they open, Bordeaux and Paris green.*	Within a week after blossoms have fallen, Bordeaux and Paris Green.	10 to 14 days later, repeat.	10 to 14 days later, Bordeaux or weak copper sulphate.
Bean.—(Anthracnose.)	When blossoms appear, spray with Bordeaux.	10 days later, repeat.	10 to 14 days later, weak copper sulphate solution.	Repeat last, if necessary.	
Cabbage.—(Worms, aphis.)	When worms first appear, kerosene emulsion, or Paris green.	If worms or aphides are present, repeat if plants are not heading, using emulsion for aphis.	If aphides persist, or if worms reappear, use kerosene emulsion, if plants are not heading.	After heads form, use saltpetre for worms, a teaspoonful to a gallon of water; emulsion for aphides.	Repeat if necessary.
Carnation.—(Rust and other fungous diseases.)	When planted out, dip in Bordeaux.	7 to 12 days later, spray plants with Bordeaux.	Repeat at intervals of a week or ten days until blossoms open.	While in bloom, spray every week with the dilute copper sulphate solution.	
Cherry.—(Rot, aphis, curculio and slug.)	Before buds start, use copper sulphate solution. For aphis, kerosene emulsion.	When fruit has set, Bordeaux and Paris green.*	10 to 12 days later, if signs of rot appear, repeat.	10 to 12 days later, copper sulphate solution, WEAK.	Repeat if necessary.
Currant.—(Worms, mildew.)	As soon as worms are seen, Paris green.	If they reappear, repeat, adding Bordeaux for mildew.†	If worms still trouble, pyrethrum or hellebore.†		
Gooseberry.—(Mildew, worms.)	As leaves open, Bordeaux and Paris green.	In 10 to 14 days, repeat with both.	10 to 14 days later, sulphide of potassium on English varieties.	10 to 14 days later, repeat if necessary.	If mildew persists after crop is gathered, Bordeaux.
Grape.—(Flee-beetle, fungous diseases.)	Before buds burst, copper sulphate solution and Paris green.	When first leaves are half grown, Bordeaux and Paris green.	As soon as fruit has set, repeat.*	10 to 14 days later, Bordeaux mixture, if disease is present.	If necessary, very weak copper sulphate solution
Nursery Stock.—(Fungous diseases.)	When buds burst, Bordeaux.	Repeat at intervals.	of 10 to 14 days.		
Peach, Apricot.—(Leaf-curl, curculio, mildew and rot.)	Before buds swell, copper sulphate solution.	As soon as fruit has set, Bordeaux and Paris green.*	10 to 12 days later, repeat.	10 to 12 days later, repeat.	If rot persists, use very weak copper sulphate solution every 5 to 7 days.†
Pear.—(Leaf-blight, scab, psylla and codling moth.)	Before buds start, copper sulphate solution.	Within a week after blossoms fall, Bordeaux and Paris green.	10 to 12 days later, repeat.	10 to 16 days later, Bordeaux.	10 to 16 days later, Bordeaux.†
Plum.—(Black knot, rot and all fungous diseases, curculio.)	As buds start, copper sulphate solution. Cut out knot and burn.	When fruit has set, Bordeaux and Paris green.	10 to 12 days later, repeat.	10 to 20 days later, Bordeaux.	Weak copper sulphate solution, as is necessary.
Potato.—(Beetles, scab, blight.)	For scab soak seed in corrosive sublimate solution (2 oz. in 16 gallons of water for 90 minutes.)	When beetles or their larvæ appear, Paris green (1 pound to 100 pounds of plaster.)	Repeat whenever necessary.	When blight of the leaves is accompanied by rot of the tubers, Bordeaux.	Repeat if necessary.
Quince.—(Leaf and fruit spot, rot.)	Before buds start, copper sulphate solution.	When fruit has set, Bordeaux and Paris green.*	10 to 12 days later, repeat.	10 to 20 days later, Bordeaux.	Bordeaux or copper sulphate sol., as is necessary.
Raspberry, Blackberry.—(Anthracnose, rust.)	Cut out badly diseased canes. Spray with copper sulphate solution before growth starts.	When new canes are one foot high spray with Bordeaux mixture.	10 to 14 days later, weak copper sulphate solution.	When crop is gathered, remove old canes, thin new ones and spray with Bordeaux mixture.	
Rose.—(Mildew, black spot, red spider, aphis.)	Mildew: Keep heating pipes painted with equal parts lime and sulphur mixed with water to a paste	Black spot: Spray plants once a week with weak copper sulphate.	Red spider: Kerosene emulsion to under side of foliage.	Aphis: Kerosene emulsion.	
Strawberry.—(Rust.)	Just before blossoms open, Bordeaux and Paris green.	When fruit has set, Bordeaux* or WEAK copper sulphate solution.	As soon as berries are harvested, Bordeaux (if to be kept longer.)		
Tomato.—(Rot and blight, worms.)	When first fruits have set, Bordeaux.	If disease appears, repeat* or use weak copper sulphate solution.	If necessary, spray with weak copper sulphate solution.		
Violet.—(Blight, red spider.)	When blight is first seen, weak copper sulphate. Kerosene emulsion for insects.	Repeat at intervals of 10 to 20 days, as necessary for blight.	NOTE.—Use kerosene emulsion, very weak.		

EXPLANATION.—Whenever an Asterisk (*) is used it cautions against spraying with poisons while the plants are in blossom. A Dagger (†) indicates that there is danger of making an application within three weeks of the time the fruit is to be used as food.

GRIFFITH & TURNER CO

SPRAY PUMPS, ETC.

Fig. 1100.

"POMONA" SPRAY PUMP, WITH AGITATOR

ALL WORKING PARTS OF BRASS. FIGURE 1100.

Working parts brass. No leather packing. Valves are brass; easily accessible; wing guided on beveled seats, ground to fit. Air chamber steel. Lever long and powerful, with adjustable stroke, 3, 4 or 5 inch. Solid brass plunger, machine turned, fitting gland accurately. Pump is held securely by adjustable clamp plate, made to fit either end or side of barrel, and by a small anchor located at bottom of barrel. The mechanical agitator is operated by stroke of the handle. Directions sent with each Pump.

Fig. 1100. Sizes, Prices, Etc.

	Plunger. Dia.	Plunger. Stroke.	D'ble Dis.	Retail Price.	List Price.
Pump Only. With Agitator.	2¼ in.	3, 4 or 5 in. Adjustable.	½ in. hose. ¾ in. pipe.	**$11.50**	**$15.00**
Outfit A for Single Lead.	**Fig. 1100.** Spray Pump with one lead 10 ft., ½ in. discharge hose with "Seneca" (or Vermorel) Spray Nozzle. Without barrel.			**13.75**	**18.00**
Outfit B for Double Lead.	**Fig. 1100.** Spray Pump with two leads 10 ft. each, ½ in. discharge hose with "Seneca" (or Vermorel) Spray Nozzle. Without barrel.			**15 50**	**20.50**

We mount the "Pomona" Spray Pump in barrel, ready for use, at an additional net cost of $1.50.

LITTLE GIANT BRASS SPRAY PUMP AND FIRE EXTINGUISHER.

WITH AGITATOR. Fig. 639.

This Spray Pump is constructed entirely of brass. It is so arranged that the labor of pumping is all done on the downward stroke of the piston and nothing on the up

PRICE LIST OF PUMPS SHOWN.	Retail Price.	List Price
No. 327½, Figure 639. Bucket Brass Spray Pump with Agitator, complete with hose and combination fine, coarse spray and solid stream nozzle.....	**$3.00**	**$5.00**
No. 328, Figure 639 Bucket Brass Spray Pump with Agitator, complete with hose and combination fine, coarse spray and solid stream nozzle and an 8 ft. pipe extension.....	3.25	5.50

BRASS Barrel Spray.

Figure 766.

Cylinder Valves, Valve Seats and Discharge.

ALL BRASS.

All working parts submerged in liquid to be sprayed, hence no priming is necessary. Patent Agitator. No complicated parts. Throws constant spray

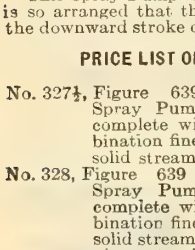
No. 305, complete with 5 ft. hose and agitator. List, **$10.00**; retail, **$7.00.**

No. 306. Figure 766.

Complete with 2 leads of hose of ½ inch three-ply, each 5 feet long and two Myers' Vermorel Nozzles and Agitator.

List, **$12.00**; retail, **$8.00.**

Bordeaux Nozzles instead of Vermorel furnished when wanted.



BRASS BUCKET PUMPS.

Fig. 1129. "Bordeaux" Brass Garden and Spray Pump is especially designed for spraying in gardens and greenhouses. The Pump is double-acting in effect, has gutta-percha ball valves proof against the action of acids and oils. Foot piece is malleable iron. The pump end of discharge hose is wire wound, adding largely to its durability. "Seneca" nozzle is furnished with Pump.

Price, with 3 feet ¾ inch discharge hose and Spray Nozzle,

Retail, **$3.50.**
List, . **6.00.**

Bordeaux Nozzle.
List..... **$1.00**
Retail..... .75

Seneca Nozzle.
Similar to Bordeaux.
Retail.....75c.

VERMOREL SPRAY NOZZLE.

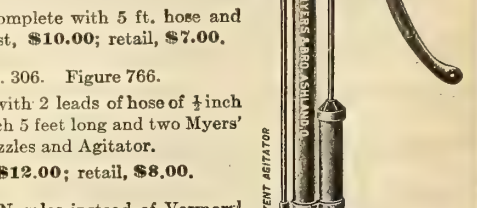


Fig. 55,

Each With Degorger.

One Discharge
List, **$1.00.** Retail, 75c.

Two Discharge.
List, **$2.00.** Retail, **$1.50**

Three Discharge.
List, **$2.75.** Retail, **$2.00**

Four Discharge.
List, **$3.50.** Retail, **$2.50**

Four-Row Spraying Attachment.

Fig. 1132.

Fig. 1132. The cut represents an attachment for spraying four rows of potatoes with any of our larger Spray Pumps. It has four "Seneca" Nozzles and connections for hose. Total length, 9 feet. Price, as per cut, retail **$5.00**, list **$7.00**. Also furnished two-row attachments, price **$2.50.**

GRIFFITH & TURNER CO

KEROSENE SPRAYERS

Gould's Knapsack "Kerowater."

For Emulsifying and Spraying Kerosene and Water.

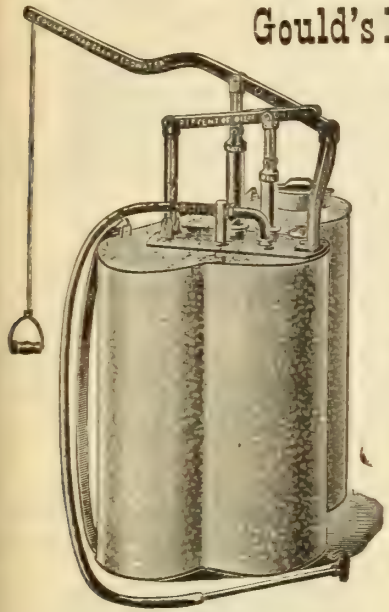


Fig. 1263

(Fig. 1263.)

Many conditions are encountered under which the barrel "Kerowater" cannot be advantageously operated, as in greenhouses, work on side hills, etc. For these purposes we have introduced the (Fig. 1263) Knapsack "Kerowater."

It is provided with straps for carrying on back, or may be used with reservoir resting on ground. It embodies the same principle as described under Fig. 1187, and consists of two independent pumps, operated by a common lever, placed in a galvanized iron tank, with divisions for oil and water. Combined capacity about 5 gallons. Quantity of oil used is controlled by adjustment of a single pin, and may be varied to 5, 10, 15, 20 or 25 per cent. Pump may be operated by either hand by changing lever to right or left.

Fig. 1263. Knapsack "Kerowater" complete, as shown in cut, with 4 feet of ¾ inch discharge hose, "Seneca" Nozzle, and Pipe Extension 12 inches long.

PRICE { List.....$12.00 / Retail..... 10.00

THE SUCCESS KEROSENE SPRAYER

WITH REMOVABLE KEROSENE TANK.

IMPROVED COMBINATION REST AND BUCKET CLAMP.

(Fig. 649.)

In the Success Sprayer the kerosene attachment may be removed when Bordeaux Mixture or other solutions are used, and a cap, which we furnish, placed on the oil inlet.

The Success Kerosene Sprayer makes a most convenient article for general use in spraying shade trees, poultry-houses and flowers.

Fig. 649 has four feet of discharge hose with a Bordeaux Nozzle.

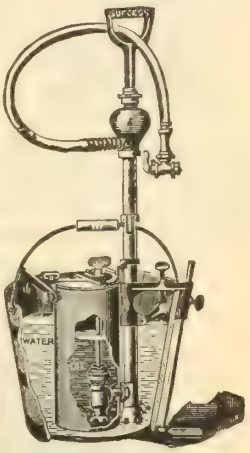


Fig 649

PRICE LIST.	List.	Retail.
Fig. 649, complete, as in cut.....	$10.00	$7.50
7-foot section of hose and couplings, with pole connections.....	1.50	1.25

Gould's "Kerowater."

For Emulsifying and Spraying Kerosene and Water.

It consists of two pumps, one for water and one for oil, but having one common exit at the hose. Both pumps are contained within the barrel. Instead of mixing the oil and water at the suction, the emulsion is made at the discharge. Kerosene is poured into the oil tank through a marked filling hole, and water into the barrel. The amount of oil used is controlled by the proportionate stroke of the pumps. In the end of the lever are drilled a number of holes (see top of cut), into one of which is inserted a coupling pin. By removing the pin from one set of holes to another the percentage of oil can be graded from 5 per cent. to 25 per cent. easily and quickly. Figures near each hole indicate the percentage of oil the pin working in that hole will supply. The mixture is positively accurate. A brass shut-off is seen near the top, attached to the hose, to prevent pure oil from being thrown at any time.

Barrel is furnished with outfits shown below:

FIG. 1187. SIZES, PRICES, ETC.

Pump Only.—Diameter of Plunger, 2 in.; Stroke of Plunger, 4 in.; Discharge, ⅛ in. Hose..... List, $21.00 Retail, $16.80

Outfit A, for Single Spray.—"Kerowater" Sprayer, with one lead 10 ft.; ⅛ in. Discharge Hose, with "Seneca" (or Vermorel) Spray Nozzle..... List, $23.75 Retail, $19.00

Outfit B, for Double Spray.—"Kerowater" Sprayer, with two leads 10 ft. each; ⅛ in. Discharge Hose, with "Seneca" (or Vermorel) Spray Nozzle List, $26.50. Retail, $21.25.

EXAMPLE.

To make a mixture containing 15 per cent. oil (the proportion we recommend for general use), it is only necessary to fill the main tank with water and the smaller one with kerosene; turn the indicator to the 15 per cent. mark, and the apparatus is ready for use. A new proportion of oil may be obtained by simply changing the position of the indicator. When the position of the indicator is changed, however, the new proportion will not be obtained until a few strokes have cleared the mixture already in the pump.

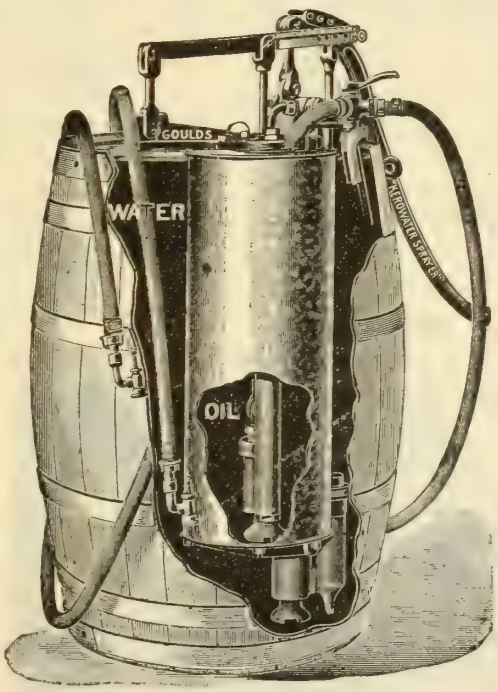


Fig. 1187

The figures on the gauge indicate the per cent. of oil to the entire mixture which will be pumped when the indicator is placed at the different per cent. marks. Thus when the indicator points to **0** the valve in the kerosene tank is closed, so that pure water will be pumped. By turning the indicator a certain amount the check valve controlling the oil is allowed to raise a definite height, thus allowing a definite amount of oil to pass into the pump cylinder. The proportion of oil does not vary except as the oil indicator is turned.

Table Showing Uses of Kerosene Sprayers and Per Cent. of Oil Required.

Uses of the Different Proportions of Oil.

Position of Indicator Showing Per Cent. of Oil.	
0.	Pure water will be pumped when the oil valve is closed
5	Seldom used
10.	Mealy bugs, scale insects and plant lice on tender plants. Horn flies on cattle. *Will not injure the foliage on tender plants.*
15.	Scale insects and plant lice of all kinds, except on tender hot-house plants. All caterpillars exposed on leaves, cabbage worms, ants, chinch bugs on corn. *Will not injure ordinary foliage.*
20.	Scale insects and plant lice not killed by 15 per cent. of oil. Lice on cattle, dogs, horses and poultry. Mites in poultry-houses. *Will rarely injure ordinary foliage.*
30.	Lice on hogs. Fleas on cats, dogs, etc. *Cannot be used on foliage without injury.*
40.	Ticks on cattle.
50.	For the winter treatment of scale insects.

Spraying is not a matter of rule, but of judgment. Know the life history of the insect or plant disease so you can spray when it will be most effective. Be prompt, thorough and persistent. Remember that fungicides are better preventatives than remedies. Practical men have found that it pays to spray every season, whether the disease is prevalent or not, simply as a matter of insurance. It is a small premium and a very good policy.

LEAF-EATING INSECTS.

Among these may be prominently mentioned the caterpillar, which has been so very destructive to shade trees, etc., in Baltimore the past season. The caterpillar is a leaf-eating insect, and for all such *Paris Green* is the insecticide.

For all sucking insects use kerosene at the rate of 15 per cent of oil. *Never spray fruit trees while in bloom.*

If Paris Green is used on blossoms it will cause the death of the bees in the neighborhood.

FUNGICIDES.—(For Rots, Blights, Mildews and other Fungous Diseases.)

Bordeaux Mixture.—Copper sulphate (blue vitriol), 6 lbs.; quick, or stone lime, 4 lbs.; water, 45-50 gallons.

THE AUTO-SPRAY

A SELF-OPERATING OR AUTOMATIC SPRAYER.

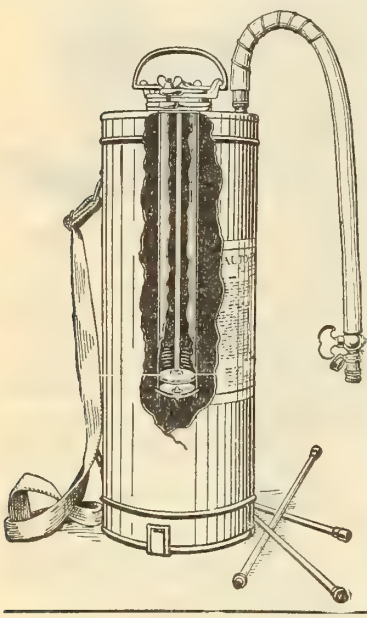
WHAT THE AUTO-SPRAY WILL DO.

A FEW strokes of plunger in air-chamber will compress enough air to discharge the entire contents and make a continuous spray for nine minutes. This means that the "AUTO-SPRAY" can be charged in fifteen seconds, when it will work uninterruptedly long enough to spray a quarter-acre of potatoes.

The spray can be made to flow fast or slow by merely turning the cock of the nozzle, and it will throw either a cloudlike shower or a solid stream.

SIMPLICITY OF CONSTRUCTION.

Attention is directed to the rigid handle, which serves as handle for carrying the can; for plunger rod and for unscrewing the pump from the reservoir, also the air-pump valve, which can be taken apart without moving a screw or fastening of any kind and in less than one second's time, and lastly to the metal top of air-pump, which may be attached readily, and which cannot wear out, as in the case of other structures held in position by tacks.



"AUTO-SPRAY No. 1"

Length of cylinder, 21 in.; weight, loaded, 39 lbs.; diameter of cylinder, 7 in.; capacity, about 4 gallons; weight, empty, 7 lbs; extension pipes extra.

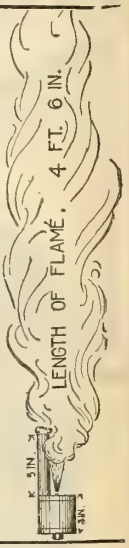
SPECIFICATIONS.

"Auto-Spray No. 1" has nozzle, stop-cock and fittings turned from solid brass, with deep-cut threads, 3-ply rubber hose; the pump and valves are entirely of brass where they come in contact with the solution; all cast-iron parts are malleable iron; the carrying strap is made of 8-ply halter web. It is fitted with our improved valve, and take-out and put-in sleeve, which prevents damage or accident to the plunger and packing. In the brass machine there is absolutely nothing that can corrode or rust.

PRICES.

Auto-Spray No. 1, galvanized steel tank.....**$4.50**
Auto-Spray No. 1, brass tank.....**$6.00**
Special discount for cash.

"The Auto-Spray Torch."



IT is marvelously effective in burning worms and nests and is the only Torch that has ever been used successfully. The "Auto-Spray Torch" burns kerosene oil vaporized with oxygen of the air, and is so intensely hot that a single blast is sufficient to destroy a nest of worms.

It is used by simply screwing to the end of the extension pipe, and is operated by opening and closing the stop-cock attached to the rubber hose. By simply opening the cock a blast of air is thrown through the flame, which is then carried to a height of four feet six inches. As the flame is entirely controlled by the operator, there is no danger of damage to any part of the tree except that which is infested with caterpillars.

PRICES OF EXTRAS.

Extension Pipes, 2 feet lengths, galvanized steel	.30
Extension Pipes, 2 feet lengths, solid brass	.35
Elbow Connection, solid brass	.35
Safety Valve, solid brass	.25
Bicycle Pump Fitting	.25

SPECIAL PRICES FOR CASH.

PRICE LIST. Weatherproof.

Color Number.	Barrels....400 lbs. ½ Barrels..200 lbs. ¼ Barrels..100 lbs. ⅛ Barrels..50 lbs. Per pound.	Cases containing twenty 5-lb. packages. Per pound.
2, 3, 4 / 5, 6, 9 / 10,11,13	9½ cts.	10½ cts.
1, 7,14 / 16, ...	10 cts.	11 cts.
8,12, . .	10½ cts.	11½ cts.
15, 413, .	11 cts.	12 cts.
193, . . .	13½ cts.	14½ cts.
WHITE,	8 cts.	9 cts.
Interior.		
WHITE,	6½ cts.	7½ cts.

ASBESTINE COSTS VERY MUCH LESS THAN OIL PAINT.

Especially adapted for use outdoors on barns, fences, area walls, air shafts, freight sheds or any surface requiring an economical and durable coating that will largely resist the action of the weather and retard the progress of fire.

INSIDE ASBESTINE

is for use on all inside surfaces. It gives a whiter and handsomer finish than oil paint, and contains no oil, so will not turn yellow or change color with age.

Our pumps described below will apply this paint very evenly and economically.

SPRAY PUMPS.

FOR WHITEWASHING AND PAINTING. **Always Use Bordeaux Nozzles For This Work.**

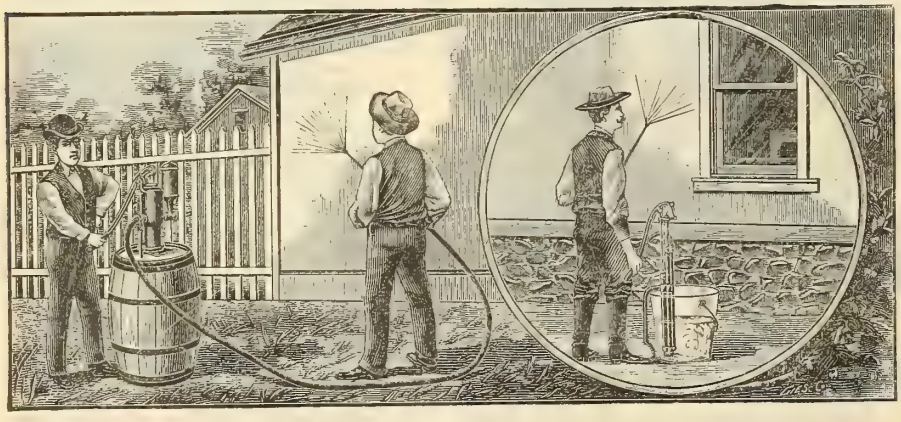


FIGURE 632.

No. 324—Lever Bucket Spray Pump, with agitator, complete, with hose and nozzle—
Factory List Price..... **$6.00**
OUR SPECIAL PRICE..... **4.00**

No. 324A—Lever Bucket Spray Pump, with agitator, complete, with hose, nozzle and 8-foot pipe extension—
Factory List Price..... **$6.50**
OUR SPECIAL PRICE..... **4.35**

If wanted for whitewashing or painting, so state in order, and Bordeaux nozzle will be sent.

The cuts show how our barrel pumps and bucket pumps can be fitted up for whitewashing and painting.

More surface can be covered in a given time than five men with brushes, and do much better work, especially on rough surfaces, as the force with which the material is applied causes it to penetrate the small crevices or openings, making it a perfect and complete job. Care must be taken in mixing the material, as lime settles very quickly.

The lime must be thoroughly slaked and **carefully strained through burlap** into the vessel from which it is pumped; it also must be thoroughly and frequently stirred. It is necessary, when you cease spraying for a short time, to clean the pump thoroughly on the inside with water, so as to remove all lime, to prevent clogging.

OUR BRASS BUCKET LEVER SPRAY PUMP,

shown, has all the advantages of the ordinary barrel pump and bucket pump combined. The work is all done on the down stroke of the handle, and can be operated with one-third the power required for any other old style of bucket spray pump. This is especially true in whitewashing, as more power is required in this than in any other mixture.

When used as a barrel pump, detach the footrest and attach pump to top of barrel.

OUR COLD WATER PAINT can be applied very rapidly and economically with these pumps. These pumps can be used for spraying insecticides, as well as whitewashing.

GRIFFITH & TURNER CO

SPRAYERS AND POWDER GUNS.

The Fountain Spray Pump.

FIGURE 599

Fig. 599

Accompanying illustration, Fig. 599, represents the FOUNTAIN KNAPSACK, Nos. 332 and 333, constructed of first-quality galvanized iron, with round corners, built precisely the same as the regular Knapsack with REMOVABLE STRAINER and tight lid. It is fitted with adjustable straps so as to be carried on the back, or it can be carried by bail as shown by dotted lines.

It is tapped at both right and left hand lower corners and fitted with brass female ends to which hose is attached, either one or two strings of which may be used at one time. When one hose only is used the other opening is closed with a metal plug furnished for that purpose. The HOSE and BULB are made of the best white rubber and wired at end.

The VALVES are made of brass and will not corrode; have large openings which permit the free flow of water and shut off instantly when under pressure.

The NOZZLE is made of brass, nickel-plated; has fifty small openings, and throws a spray six feet wide at a distance of twelve feet.

The pump is operated by grasping the bulb in the hand and compressing it, which causes a spray to be thrown any distance from three to fifteen feet, as desired; on relaxing the pressure on the bulb it expands, refilling instantly, when the same operation can be repeated. To shut off flow of water entirely, use valve on hose for that purpose.

We furnish this hose and fixtures to be attached to a barrel or tank placed on a wagon. This is desirable when spraying large fields of cotton or potatoes.

CAUTION.—ALWAYS MIX PARIS GREEN OR LONDON PURPLE IN A SEPARATE VESSEL, FORMING INTO A PASTE BEFORE ADDING THE WATER. In this way everything will be dissolved and will not need to be agitated.

	Retail Price.	List Price.
No. 332, Figure 599. Fountain Knapsack Spray Pump, with one tube, rubber bulb and rose	$3.00	$5.00
No. 333, Figure 599, Fountain Knapsack Spray Pump, with two tubes, rubber bulbs and roses, to work with both hands	4.25	7.00
Extra tube, rubber bulb and rose	1.25	2.00

LEVER KNAPSACK SPRAY PUMP.

FIGURE 547

Fig. 547

Tank holds five gallons, is fitted with lid and strainer which can be removed.

This Pump has lever, large air-chamber, ball valves, solid plunger and agitator.

It is so arranged that no water can drip on the operator. The Pump can be easily removed and is fitted with handle so that the operator can use it the same as our tank with bucket pump.

No. 330, Figure 547. Fitted with five feet one-half inch hose, pipe extension and Bordeaux spray nozzle, can be graduated from a fine mist to a solid stream, or shut off entirely. Retail price **$6.00**; List, **$10 00**

Any other nozzle furnished with these Pumps when ordered.

THE PERFECT KNAPSACK SPRAY PUMP. Fig 547

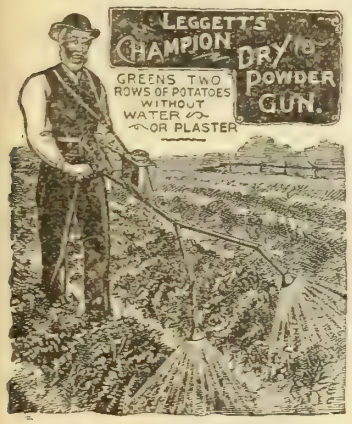
It is identically the same as 330, with the exception that the tank is constructed entirely of copper. Retail. List.

No. 331, Figure 547, complete with hose, stop-cock, pipe extension, and Bordeaux nozzle. Price **$9.60 $16.00**

First-Class Outfit at a Reasonable Price.

SPRAY NOZZLES, Etc., See Page 70.

	Retail.	List.
THE BORDEAUX. Price		
THE VERMORE. Price		
Combination Nozzles and Hose Coupling		15 cents.



FOR Farm, Garden, Vineyard, Tobacco Fields, etc. Adjustable to any width of row Many thousands in use.

Distributes Paris Green London Purple, Hellebore, Sulphur, Lime, Dry Bordeaux Mixture, Dry Bordeaux Mixture and Paris Green Compound, Spanish Pink, Pyrethrum Powder, etc.

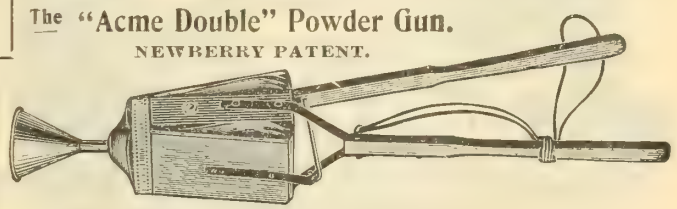
This Machine Keeps the Poison at a Safe Distance from the Operator.

Dusts potato vines as fast as you walk, two rows at a time. Each machine furnished with two tubes, five nozzles and strap. Anyone can use it.

Weighs, cased for shipping, 14 lbs. Price **$7.50**

The "Acme Double" Powder Gun.

NEWBERRY PATENT.



It is but little heavier than our "Acme," and will apply a continuous blast of dry poison to any plant.

You can apply any desired quantity to each plant as its needs require.

All parts of the "Acme Double" Powder Gun are thoroughly protected. There are no adjustments to make, no loose parts to get out of order.

Is furnished with detachable elbow and spreader, Price **$1.50**

Faultless Sprayer.

Adapted for destroying every kind of insect.

One-half tablespoonful of Paris Green, and one filling with water is sufficient to destroy all the bugs on 1,300 hills of potatoes.

No. 1 Faultless Tin Sprayer **50c**

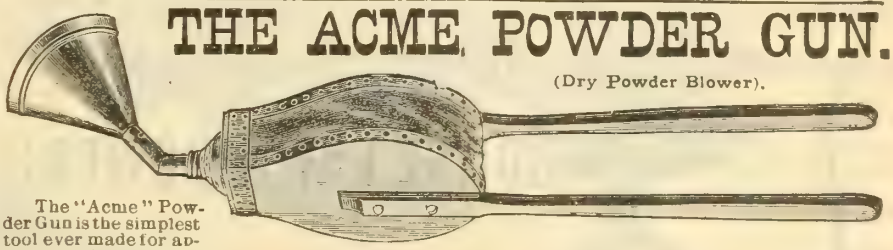
The Acme Plaster Sifter.

Price, 25 cents.

This is a most convenient and serviceable little tool, and at the price will prove a good investment. It handles land plaster and any similar substance without the necessity of covering hands or clothing with the poisoned powder. We furnish a false bottom which prevents anything clogging the agitator.

THE ACME POWDER GUN.

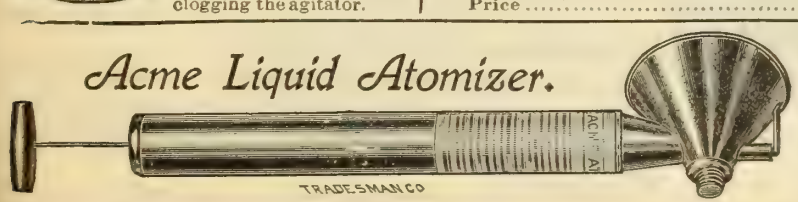
(Dry Powder Blower).



The "Acme" Powder Gun is the simplest tool ever made for applying poison to growing crops. It is entirely independent of water or plaster. No poison is left about the fields to kill stock It requires no base of supplies; all you need carry is a can of dry insecticide and the gun. Without stooping—the elbow does it—it applies any powdered poison on any plant in any desired quantity any time of the day. The elbow may be detached if desired. This tool is well made of the best materials, and is thoroughly guaranteed. The bellows sides are painted a bright vermilion, and the handles finished bright. The leather is a fine russet. We also furnish a spreader for distributing the blast.

Price ..... **75 Cents.**

Acme Liquid Atomizer.



For spraying Paris Green and other insecticides on potato plants, shrubs, small trees, house plants, live stock and poultry. A great labor-saver on every farm, and in every garden, barn, greenhouse, orchard and hennery. It will apply the finest possible spray on any object desired, and exterminate any kind of insect life. Will not corrode. Easily filled, easily emptied. One canful will poison bugs on 600 to 800 hills of potatoes. By actual test we find this to be a most desirable article to spray turpentine for the destruction of moths. Quite a number are now in use for this purpose with the most satisfactory results.

Prices: Tin Atomizers, **50c**; Galvanized Tank, **55c.**; Brass Tank, **75c.**

PERFECTION DOUBLE ATOMIZER.

More solution can be thrown with this than with a single Atomizer; covers more space

Price: Tin Double Sprayers, **55 cts.**; Galvanized Double, **60 cts.**; Brass Tank Double, **75 cts.**

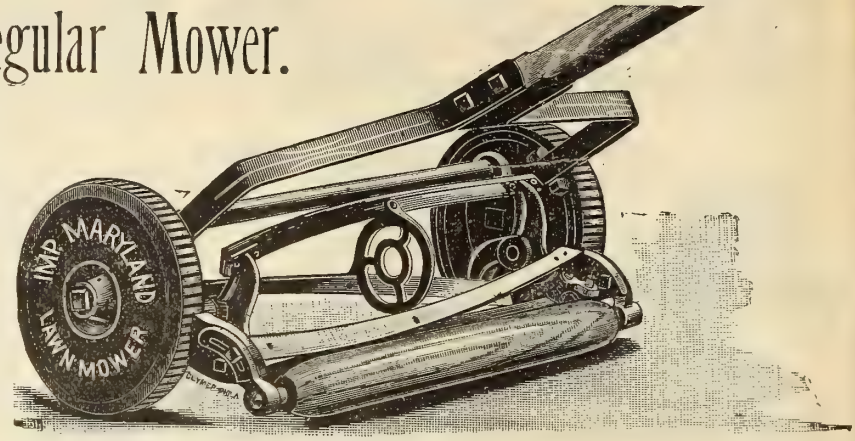
GRIFFITH & TURNER CO

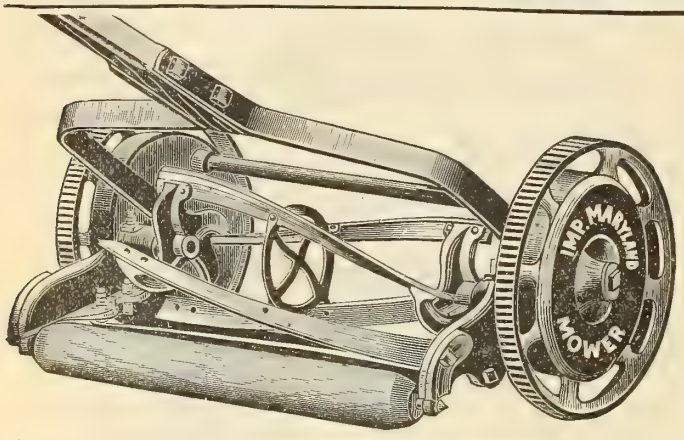
Improved Maryland Regular Mower.

THIS is not a cheap Mower because the price is low. The material entering into these goods is first-class in every respect. The principle applied in the construction of this Mower is the same as used on machines which are sold for very much more money. The Pawl and Pinion Attachment has been thoroughly tested and is beyond question one of the best to be obtained.

PRICE LIST.	Retail.
12 inch	$3.00
14 inch	3.25
16 inch	3.50
18 inch	3.75

3 BLADES, 8 INCH WHEEL, 5¼ INCH CYLINDER, SINGLE PINION. GEARED ON BOTH SIDES.





—THE—

Improved Maryland High-Wheel Mower.

WITH 10-INCH WHEEL. 4-BLADE CYLINDER.
SECURITY INCASED GEARS. NOISELESS RATCHET
THE MOWER GEARED ON BOTH SIDES.

NO PAINS have been spared to make this the superior of all others of its class. It is mechanically proportioned so as to run light and do fine work. Our customers will make no mistake in ordering this Mower.

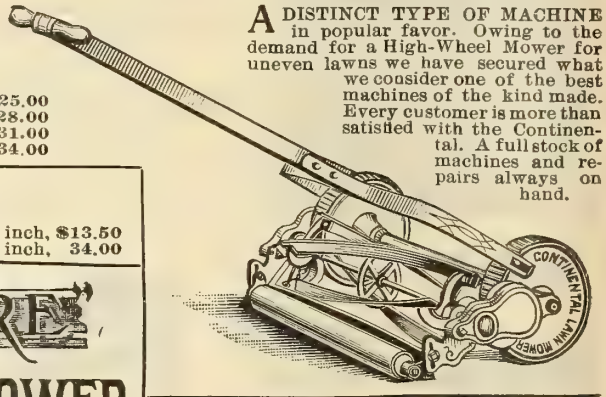
PRICES.

14 inches, $7.50 16 inches, $8.00 18 inches, $8.50

Continental High-Wheel Mower.

Retail price, 15 inch	$10.50	List price, 15 inch	$25.00
Retail price, 17 inch	11.75	List price, 17 inch	28.00
Retail price, 19 inch	13.00	List price, 19 inch	31.00
Retail price, 21 inch	14.00	List price, 21 inch	34.00

A DISTINCT TYPE OF MACHINE in popular favor. Owing to the demand for a High-Wheel Mower for uneven lawns we have secured what we consider one of the best machines of the kind made. Every customer is more than satisfied with the Continental. A full stock of machines and repairs always on hand.



Pennsylvania High-Wheel Mower.

Retail price	15 inch, $10.25	17 inch, $11.25	19 inch, $12.50	21 inch, $13.50
List price	15 inch, 25.00	17 inch, 28.00	19 inch, 31.00	21 inch, 34.00

"THE BALTIMORE" HORSE LAWN MOWER

	Retail Price.	List Price.
25 inch Machine, with Draft Rod	$40.00	$ 65.00
30 inch Machine, with Draft Rod	60.00	100.00
30 inch Machine, shafts and seat	65.00	110.00
35 inch Machine, with shafts and seat	77.50	135.00

Special Discount for Cash.

Efficient Mechanics To Repair Lawn Mowers.

We Sharpen

during the season hundreds of Lawn Mowers, and in consequence our shop is taxed to its utmost capacity. Every customer wants his Mower first. In order to have the work done properly, we ask our friends to send their Mowers in early. Do not wait until you want to use them.

The Baltimore Horse Lawn Mower is guaranteed to be equal to any machine made; in order to appreciate its good points it is necessary to see it at work on the lawn, where it performs in a most satisfactory manner.

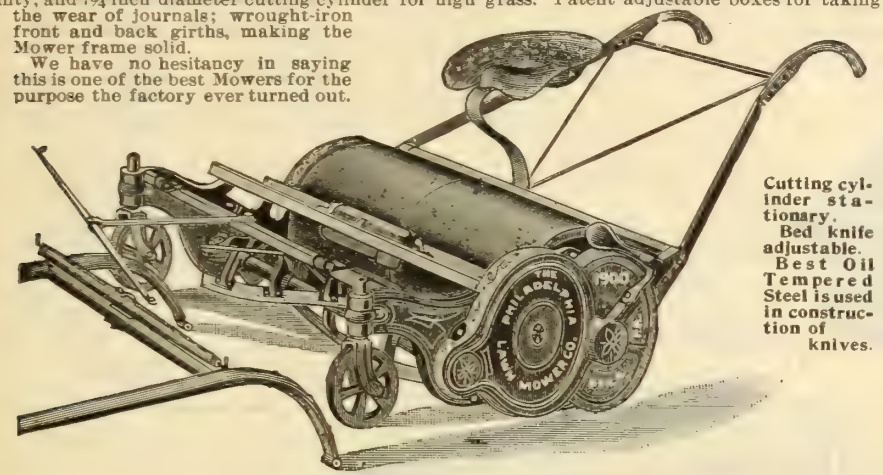
GRIFFITH & TURNER CO

THE

Philadelphia Mowers

THE PHILADELPHIA EAGLE HORSE MOWER, made from entire new patterns, with added weight of iron for strength; increased diameter of cylinder for draft; large shafting and journals for durability, and 7¾ inch diameter cutting cylinder for high grass. Patent adjustable boxes for taking up the wear of journals; wrought-iron front and back girths, making the Mower frame solid.

We have no hesitancy in saying this is one of the best Mowers for the purpose the factory ever turned out.



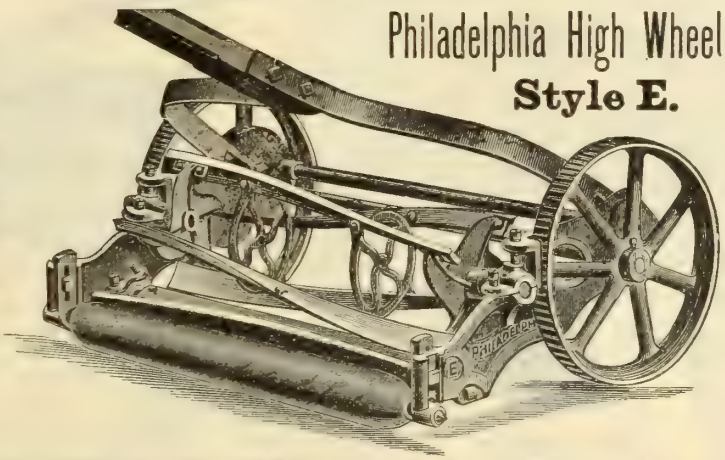
Cutting cylinder stationary.
Bed knife adjustable.
Best Oil Tempered Steel is used in construction of knives.

PRICES.

STYLE E.

List.		Retail.
	15 inch,	
$25.00		$9.00
	17 inch,	
28.00		10.00
	19 inch,	
31.00		11.00
	21 inch,	
34.00		12.00

Philadelphia High Wheel Style E.



PHILADELPHIA HIGH WHEEL STYLES. This Mower contains an improvement that all Mowers lack in their construction. A solid frame, that the **Revolving Cylinder can be Removed** by simply loosening the set screws to the box caps and removing them and the cutting cylinder.

PHILADELPHIA

Eagle Horse Lawn Mower

		List.	Retail.
30 inch	With Seat and Shafts and Draft Pole.	$100.00	$65.00
35 "		125.00	80.00
40 "		150.00	95 00

Less special discount for cash.

The Old Style Philadelphia Horse Lawn Mower.

This style Mower is being used on all the Government Grounds Public Parks and Large Lawns in the country.

This Mower with the Solid (or Closed) Revolving Cutter, has 4 blades and is the Original Philadelphia Horse Mower. Every machine warranted. In ordering please designate it with Open or Closed Cylinder.

		List.	Retail.
30 in. open	With Draft rod.	$100.00	$70.00
30 in. closed		100.00	70.00

Special discount for cash.

Philadelphia I. X. L. Horse Lawn Mowers.

These goods are made from the best material and finished by the latest approved methods of manufacture.

		List.	Retail.
30 inch	With Draft Rod.	$90.00	$50.00
30 "	With shafts and seat	100.00	55.00
35 "	Complete with shafts and seat	125.00	70.00
40 "	With shafts and seat	150.00	85.00

Special discount for cash.

A swingle-tree and chain attachment will be furnished for $2.00 net if wanted. If used MUST BE ATTACHED to the ENDS of the side draft attachment, for the draft rod will bend if attached in centre.

GOLF.

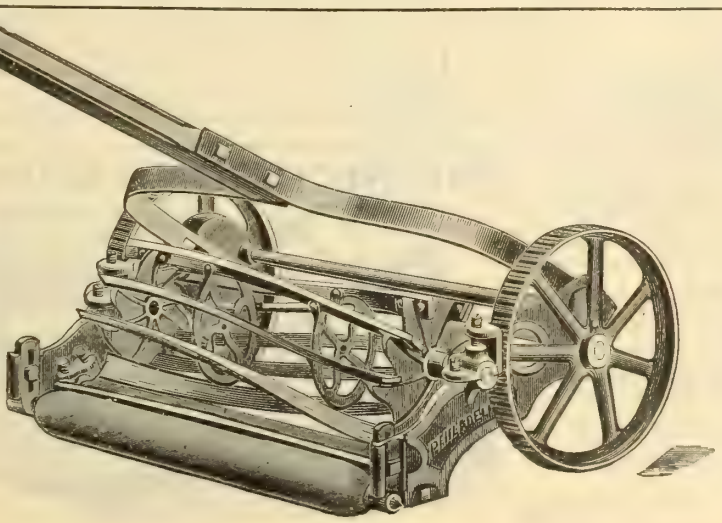
8 Blades.

10-Inch Wheel.

7½-Inch Cylinder.

Train of 3 Gears.

Double Ratchet.



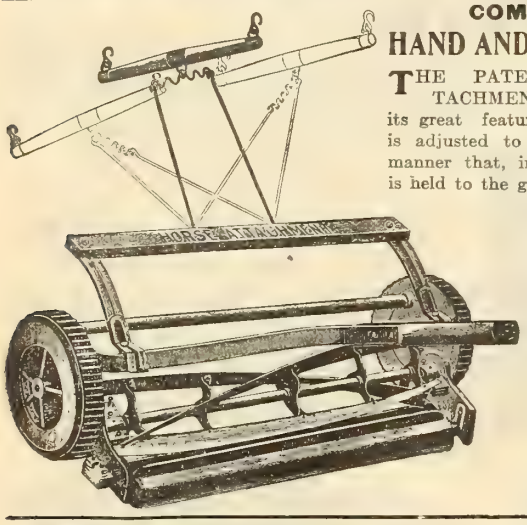
Golf Mowers

Are similar in style to our High Wheel E Mowers, combining all their improvements, for with their **8 Blades** and peculiarly constructed **Knife Bar** as attached to **side frame** tilting the knife to the ground, it is especially adapted to make a very close, even and fine cut, which is so much desired on Golf Links.

	List.	Retail.
15 inch.....	$25.00	$12.50
17 "	28.00	14.00
19 "	31 00	15.50
21 "	34.00	17.00

GRIFFITH & TURNER CO.

LAWN MOWERS—Continued.



COMBINATION

HAND AND PONY MOWER.

THE PATENTED HORSE ATTACHMENT of the Mower is its great feature. This attachment is adjusted to the Mower in such a manner that, in operation, the Mower is held to the ground, and the disagreeable "tipping up" of the rear of the Mower, which is a serious objection to many machines, is impossible. The draft of the Mower is just the same as when operated with the handle.

Diameter of traction wheels, ten inches. Weight, ninety pounds. Best material and workmanship throughout.

PRICE $18.00.

Lawn Mower Repairing and Sharpening.

Send in your LAWN MOWERS EARLY for sharpening and repairing. This department, in season, is run to its full capacity, and in consequence we are compelled to adopt the policy of "first come first served."

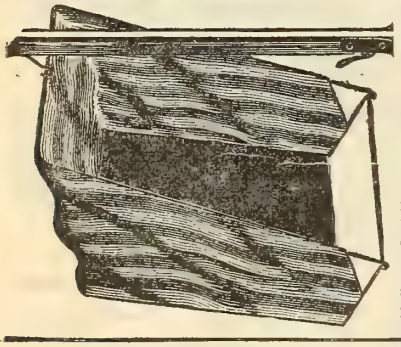
We wish to urge upon our friends the necessity for complying with the above request, and if they do no one need have to wait while the grass is growing.

LOOK OVER YOUR MACHINES DURING THE WINTER (this applies to other kinds of machinery as well as Lawn Mowers), AND SEE WHAT REPAIRS ARE NEEDED. DO NOT WAIT UNTIL SPRING WORK IS CROWDING YOU.

We employ efficient mechanics to do our machine repairing and turn out jobs in the best possible manner and as expeditiously as the quality of the work will admit.

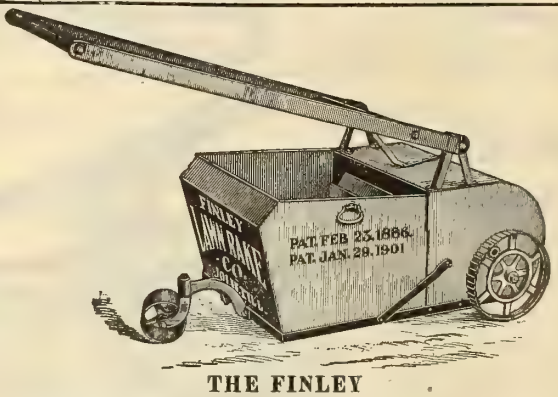
To properly sharpen a Lawn Mower requires some one who thoroughly understands his business, and even though it may be properly sharpened, unless it is adjusted to a hair it will not cut. After we turn out a machine it should be severely let alone, and if it does not cut send it back to us and do not attempt to adjust it yourself. There is no mower that leaves our shop that is not adjusted to cut tissue paper, and if it does not do the work satisfactorily it is owing to hard usage before reaching its destination.

The cheap machines that are flooding the market are made of cheap material and will wear only a short while, and can rarely be repaired at all.



Universal Grass Catcher.

A Grass Catcher that will fit any mower. Canvas body, blacked sheet steel bottom. Two sizes—No. 1 will fit 10, 12, 14 and 16 inch mower, and No. 2 will fit 16, 18 and 20 inch. Price, 75c.



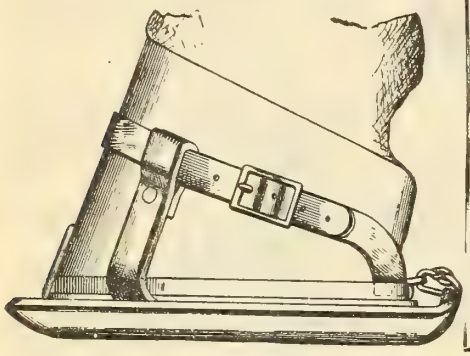
THE FINLEY

ROTARY LAWN RAKE.

THE CUT shows the general appearance and construction of this Rake. The principle is not unlike that of a carpet sweeper, with steel teeth in the blades, where the brush comes in the sweeper.

The movement of these blades being rotary, causes a blast or suction in revolving, and the loose grass, leaves, twigs and ANY LOOSE LITTER are forced back into the basket which, when filled, is easily removed, so that the contents may be dumped, ready to be carried away. It can be easily adjusted to fit any work by simply turning two nuts. Nothing escapes it. After the lawn is cut and then gone over with this Rake it's as clean as a carpet and looks beautiful. Simple and strong in construction, durable, with no intricate parts, it is the very acme of perfection as a Rake, and will, once generally introduced, be as indispensable as the lawn mower has become. You will find the lawn which has been cared for by our Rake will not only look much handsomer, but will steadily improve in condition, as the surface will always be clean, and the grass is cultivated by the teeth, and a much thicker sod is produced by these conditions. PRICE, **$12.00.**

SMITH HORSE BOOT.



Horse Boots.

For Use on Lawn.

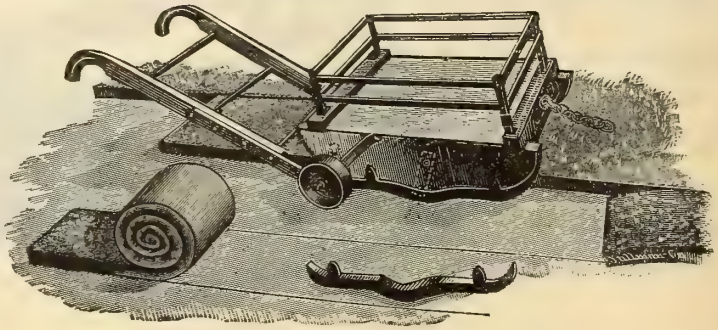
For those who desire a well-kept lawn. Made of leather, with heavy leather bottoms and will fit any horse's feet. Price, per set, **$8.00**

THIS LAWN BOOT is a new departure from the old style Boot. It has a base composed of a metallic plate interposed between upper and lower coverings, made of heavy leather. The leather coverings are riveted together. The upper leather is made to fit the frog of the foot.

Attached to this are leather straps to fasten boot securely to the hoof. No chafing of the flesh above the hoof, as so often happens with the old-style Boot.

PRICE PER SET..... **$8.00**

THE RICHMOND SOD CUTTER



This new implement cuts the sod of uniform width and thickness, in any length, so that it is particularly adapted to giving solidity to slopes in cuts and on embankments, working equally well on level or uneven surface, cutting both ways with the land and leaving no sod uncut; light of draft, easily managed, strong, neat and durable.

One machine will cut from 30,000 to 40,000 square feet per day, thus doing the work of forty men.

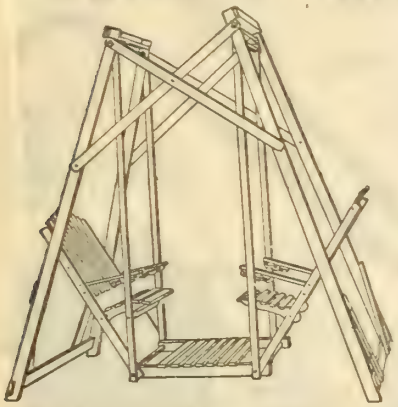
Instructions for operating furnished with each machine.

OUR SPECIAL PRICES.

12-inch Machine (Horse Power)..... **$33.00**
14-inch Machine (Horse Power)..... **35.00**

GRIFFITH & TURNER CO.

THE ARCTIC LAWN SWING



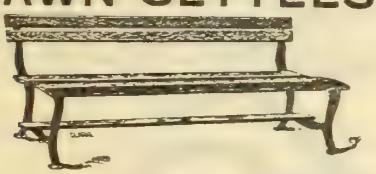
THE ARCTIC SWING affords the most comfortable lounging place you can find, and as the backs of the chairs are adjustable, they can be set up as straight or incline at as great an angle as you wish. It is built of the best hardwood lumber, with a carrying capacity of two adults, but is strong enough to carry six children. Handsomely painted in deep red and nicely varnished.

We can furnish a cheap Swing if same is wanted, but the quality of material and workmanship, of necessity, will not compare with the above, which is one of the best Swings on the market.

OUR SPECIAL PRICE:

Arctic No. 2.....$6.00

BALTIMORE LAWN SETTEES.



This most comfortable Lawn Seat is illustrated herewith. It is attractive and gives plenty of room. Just the thing for parks, porches, hotels, picnic grounds, cemeteries, etc. Painted bright red and varnished. Weight, No. 6, 65 pounds.

OUR SPECIAL PRICE:

Per foot.....75c.

We carry in stock 4 and 5-feet length seats

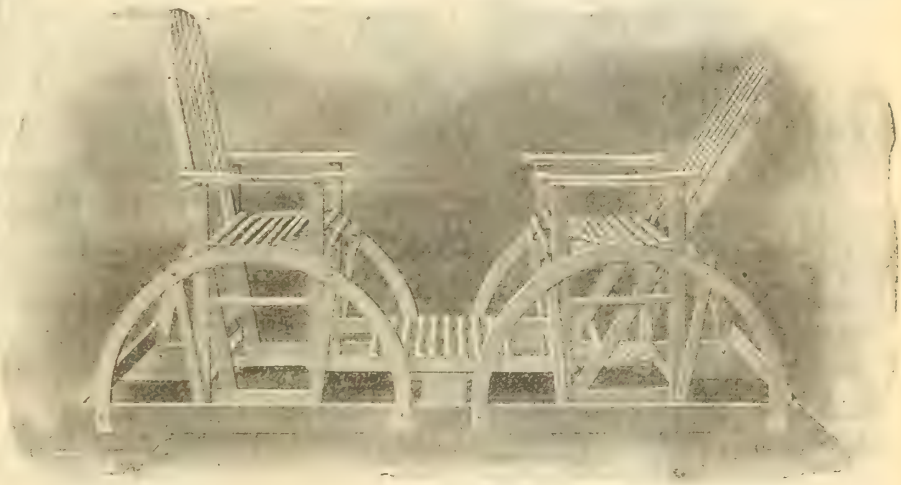
THE ARCTIC SWINGING CHAIR.

THE LATEST DESIGN FOR A SWINGING CHAIR YET PRODUCED.

IT occupies on the porch floor a space about six feet long by three feet wide and about six feet high. It is made of the most substantial material, the best of dry hard wood, with steel arms and braces, and arch of steel tubing. It is provided with a footrest, adjustable for children or adults, is nicely painted and varnished and has durable canvas back. It weighs about forty-five pounds, folds up easily like a jackknife, and is readily moved from place to place. It is better and cooler than any hammock, and occupies less space. It is shipped entirely set up and ready for use by the simple adjustment of the thumb nuts and two bolts.

OUR SPECIAL PRICE: $4.00

LOW-DOWN PORCH SWING.



LIGHT, strong, durable, very compact, easily handled, and requires no more space than two rockers. Can be placed on any porch under any shade tree or arbor, or in any room in the house, or in the nursery, thus making it a useful piece of furniture the year round.

The backs of the Swing may be adjusted to any desired position. Without being thrown back and footrest raised, and with the addition of robes and cushions, it makes a most comfortable swinging couch.

A swinging motion of over two and a half feet can be had, and as the side supports extend only to the seats there is nothing to obstruct the view or produce dizziness, and a most pleasant swinging sensation is the result.

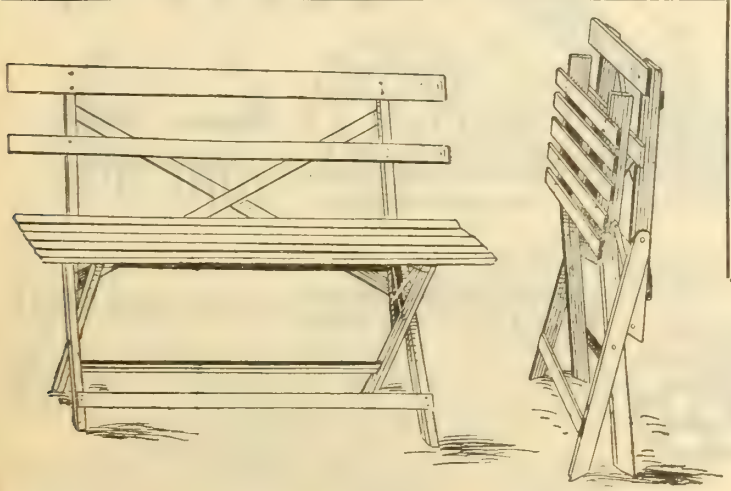
The Swing has an adjustable footrest that may be placed at the proper height to suit the children, and it is so perfectly balanced that the smallest child can operate it.

It is an ornament to any lawn or porch.

Painted bright red.

OUR SPECIAL PRICE.

Two-passenger Swing.....$8.00



FOLDING LAWN SETTEE.

Made from selected hard wood. Finished in natural color or painted red, with seat slats, natural color. Length, 42 inches.

Our special price.....$1.00

GRIFFITH & TURNER CO.

NEW UNIVERSAL GARDEN TOOLS.

Matthews' New Universal Garden Drill.

ONE OF THE STANDARD DRILLS OF AMERICA.

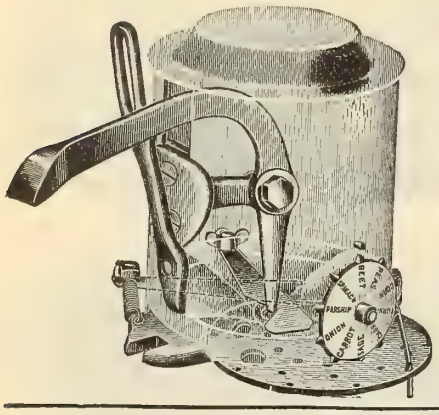
SIMPLE IN CONSTRUCTION. NEAT IN DESIGN. EFFICIENT IN OPERATION. NONE BETTER CAN BE PROCURED.

Medals and testimonials confirming the superiority of the "Matthews" have been repeatedly bestowed upon it from all quarters, and as it has been improved from time to time it has always been acknowledged ONE OF THE MOST PERFECT DRILLS MADE. The present form is the neatest and simplest yet produced, and cannot fail of proving an even more popular modification of this reliable Drill.

Our Retail Price.....$6.25 List Price.....$8.00

PATENT SEED INDICATOR USED ON ALL GENUINE DRILLS.

The Seeding Device.



Seeding can be regulated to exact quantity desired.

THE SEEDING DEVICE employed on all Matthews' Seeders is set forth in the accompanying illustration, showing transparently the solid wall of the seed box. The indicator, which is also shown above, has the names of the various seeds plainly marked upon it. The DIAL has a separate hole for each kind of seed, which registers in the CENTRE of the hole in bottom of seed-box. The hole in the dial may be gauged to a nicety by means of the REGULA OR, held by a thumb-screw. To lead the seed to the central opening there is provided a CORRUGATED and shouldered bottom, which admits of dropping any quantity of seed, even to a SINGLE PAPER. The feed is practically a force feed. No other device ever met with the success of the AGITATOR. Principally for dropping all the small garden seeds. The seed is not bruised or damaged by the AGITATOR. The MANUAL CUT-OFF indicated in the illustration by the dotted lines, with its spiral spring connection, is worked from the handle by a wire, and the flow of seed may thus be instantly checked. No seed need be wasted in turning rows.

Matthews' New Universal Hill and Drill Seeder.

This implement is the same in style and working qualities as the one just described, but is arranged so as to drop the seed continuously in drills or at a distance of 4, 8, 12, 16, 24 and 48 inches apart. The adjustment from drills to hills is made by one screw in attaching a brass cut-off to the agitator. The distance apart is regulated by the number of cogs on the driving wheel against which the agitator strikes. The seed cannot drop except when the hole in the bottom of seed-box is opened by the agitator striking a cog on the wheel, and it immediately closes again as the agitator drops. This saves seed, as no more need be dropped at a time than is desired, no matter what the distance may be. There are no parts to wear or get out of order. If this implement is wanted be sure and order the "Hill and Drill Seeder," as the regular garden drill cannot be fitted with the attachments. Our retail price, **$7.00.** List price, **$9.00.**

The manufacturers of thi line do not make a Hill and Drill Seeder with cultivating attachments, and we would recommend, as FAR PREFERABLE, one of the above separate drills and a separate single wheel hoe complete, with ALL the attachments, for which our retail price covering the two separate implements **is only $11.25.**

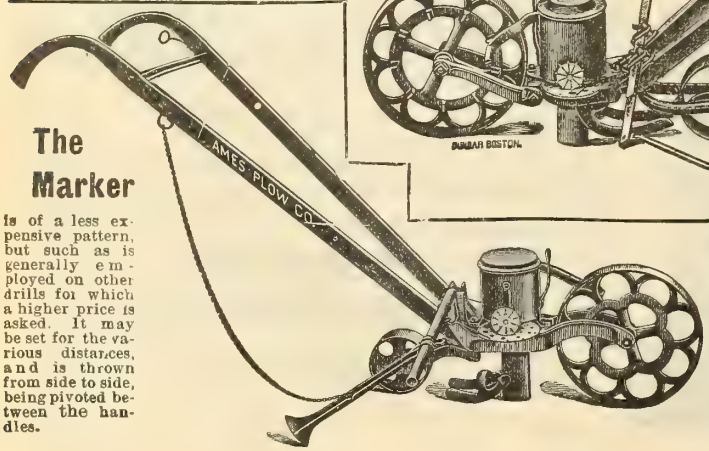
Matthews' New Universal Constellation Seeder, Hoe, Cultivator, Plow, Rake and Marker.

This is not only a desirable combination of the Garden Drill already described with the New Universal Cultivating attachment, but it has the advantage of being either a double wheel or single wheel implement at will, the change from one to the other being readily made.

The use of a one-wheel Seed Sower insures the nicer work, as if two wheels are used an obstruction under one wheel or the other has a tendency to crook the rows, and this makes after-cultivation harder The operator always has a one-wheel seeder under full control, and in addition the single wheel follows in the mark made when planting the previous row and presents a sight to keep the rows straight. The two wheels are desirable, however, when used as a cultivator or wheel hoe, as in this way the rows of young plants may be straddled and the cultivating done on both sides of the row at one passing. The special feature of this implement is that when used in straddle row cultivation there is no projection below the frame to interfere with plants. The combination is one which cannot fail of recommending itself to all. The attachments are—One (1) Pair Hoes, Five (5) Cultivator Teeth, One (1) Pair Rakes, One (1) Pair Plows.

List Price, boxed..... $10.50
Net Price, " 8.00

Can be used as one wheel or two wheel.



The Marker

is of a less expensive pattern, but such as is generally employed on other drills for which a higher price is asked. It may be set for the various distances, and is thrown from side to side, being pivoted between the handles.

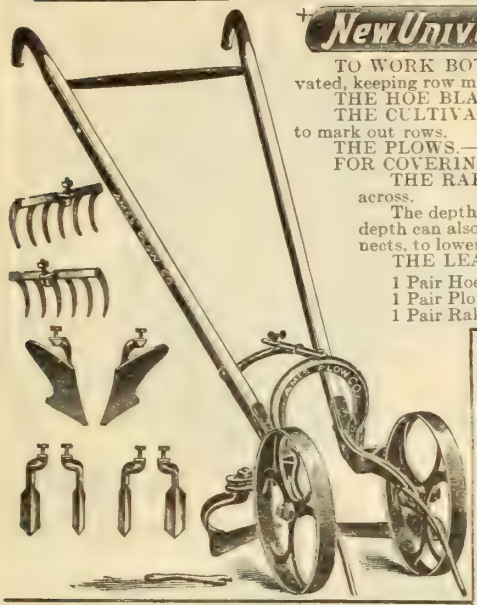
New Universal Gem Seed Drill.

It has a new seed regulator for gauging the exact flow of seed required; seed cut-off for stopping the flow while turning at the ends of rows, and marker adjuster for marking the rows at any desired distance apart. We do not recommend it for use instead of the larger drills, but we are sure that all in want of such a drill as we represent will find this to be a very valuable implement.

Retail Price, $4.75 List Price, $6.25

☞ Send for Special Catalogue containing full description of all New Universal and Matthews' Tools.

GRIFFITH & TURNER CO



New Universal Hand Double Wheel Hoe, Cultivator, Plow and Rake

TO WORK BOTH SIDES of a row at one passing, the attachments can be set to suit width of crop to be cultivated, keeping row midway between wheels.

THE HOE BLADES can be set to turn in or out, as desired by the operator.

THE CULTIVATOR TEETH,—Four are furnished with each. Two cultivator teeth can be used at desired width to mark out rows.

THE PLOWS.—For furrowing they can be set close together and turn outward.

FOR COVERING, set to width desired, and turn inward.

THE RAKES.—For fine cultivation and other uses of an ordinary rake. They can be set angling or straight across.

The depth can be regulated by adjusting wheel arms in the three holes provided on each side of Arch. The depth can also be regulated by pitching the Arch by means of the Arch Brace and the Thumb Bolt, where it connects, to lower Handle Brace.

THE LEAF GUARDS are to prevent wheels from injuring large, spreading foliage.

1 Pair Hoes. 1 Pair Narrow Cultivators.
1 Pair Plows. 1 Pair Wide Cultivators.
1 Pair Rakes. 1 Pair Vine Guards.

Our Retail Price, $5.00
List Price, . . 6.50

Specially designed for working both sides of the row at one passing.

New Universal DOUBLE WHEEL HOE. With Hoe Blades Only.

Retail Price..... $3.25 List Price..... $4.25

New Universal Hand Single Wheel Hoe, Cultivator, Plow and Rake.

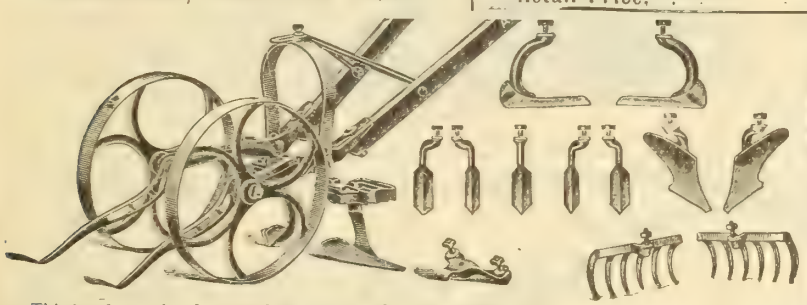
—As with the Double Wheel Hoe described, this can be used either between or astride the rows, although it is really intended for between row cultivation. For straddle cultivation the wheel can be set to one side, so as to bring the row of young plants under centre of frame. Later cultivation must be done between rows.

THE ATTACHMENTS ARE:

1 Pair Hoes.
1 Pair Rakes.
5 Cultivator Teeth.
1 Vine or Leaf Guard.
1 Pair Plows.

Retail Price, . . . $4.25 List Price, ... $5.75

New Universal High Arch Expansion Wheel Hoe, Cultivator, Rake and Plow.



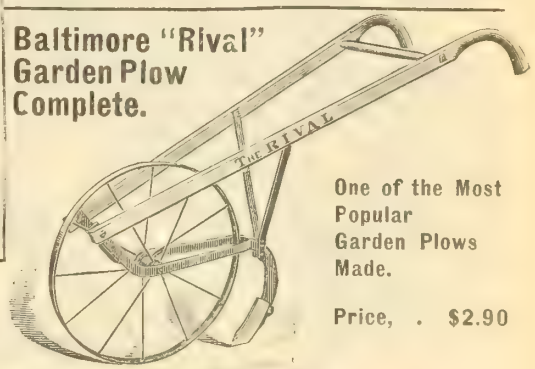
This is a larger implement than the Double Wheel Hoe just described, and high enough to cultivate over twenty-inch plants. Can be used as a One Wheel as well as a Two Wheel See attachments in cut.

List, $9.50 **Retail, $7.50**

New Universal Hand Single Wheel Hoe.

With Hoe Blades Only.
Retail, . . $2 50
List, . . . 3.25

Baltimore "Rival" Garden Plow Complete.

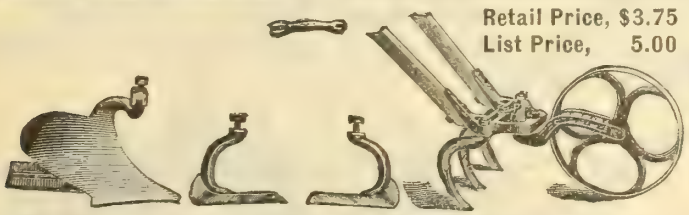


One of the Most Popular Garden Plows Made.

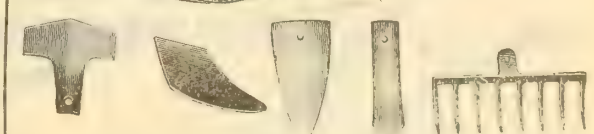
Price, . $2.90

New Universal "Flier" Hand Single Wheel Hoe, Cultivator and Plow No. 2.

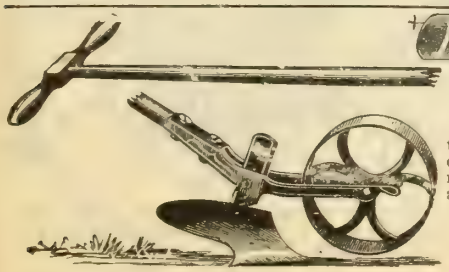
Retail Price, $3.75
List Price, 5.00



This implement is same as our regular Single Wheel Hoe, except that at this price fewer attachments are furnished. They are:—1 Pair Hoes, 3 Cultivator Teeth 1 Large Plow. If this style is wanted, be sure and order the "FLIER."



This tool is a universal favorite. The Beam is made of very stiff steel and is constructed so that when handles are attached the centre of weight falls directly over the pivoting point which forms the axle for wheel, making it self-balancing, and which admits of its being propelled with a minimum amount of power. Handles can be raised or lowered to suit man or boy. The different extras used on the "RIVAL" are:—Shovel, Calf-Tongue, Weeder, Mould-board and Rake.



New Universal Hand Wheel Plow.

This can be used to prepare the ground, to furrow out, to cover and to cultivate. The mould board is of steel, polished and tempered.

List Price, $2 50
Retail Price, 1.90

New Universal Draw Plow.

This is the same Plow, and is standard, as used in the NEW UNIVERSAL HAND WHEEL PLOW, fitted with long handle, to be drawn instead of being pushed.

List Price, $2.00 Retail Price, $1.50

Send for Special Implement Catalogue containing Full Description of all New Universal and Matthews' Tools.

GRIFFITH & TURNER CO

No. 18. **IRON AGE SEED DRILL.**

One of the Lightest, Strongest and Most Reliable Seed Drills on the Market.

Price, $6.00

No. 17. Same tool with the addition of the cultivating tools.

Price, $8.00.

No. 6.

Iron Age Combined Double Wheel Hoe Hill and Drill Seeder.

Price $11.00

No. 4. Same as above, but without hill dropping device. Price $10.00.

Iron Age Hill and Drill Seeder.

No. 8. Price, $10.00.

For all gardeners and truckers who require a Seed Drill of large seed capacity. The wheel is made of steel, 15 inches high. The Hopper is low, therefore the delivery of the seed is close to the ground. The agitator is a revolving brush, which absolutely does not injure the seed. The Seeder will sow in continuous rows or drop in hills at 4, 6, 8, 12 or 24 inches apart.

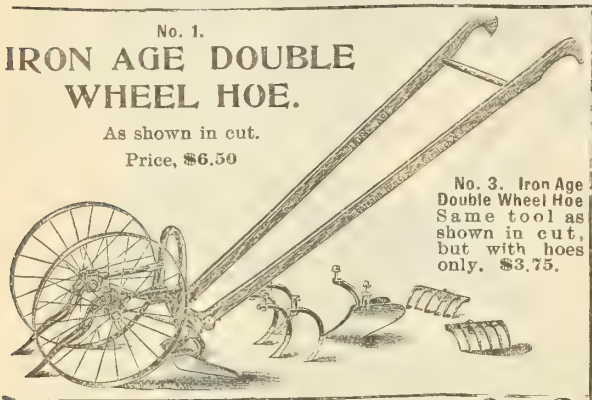
In the **No. 6 Hill and Drill Seeder** is combined a drill seeder with hill dropping device, a double wheel hoe and a single wheel hoe. It sows in drills and drops with perfect accuracy all the seeds varying in size from celery to corn. Will drop in hills at 4, 6, 8, 12 or 24 inches apart.

No. 1.

IRON AGE DOUBLE WHEEL HOE.

As shown in cut.

Price, $6.50



No. 3. Iron Age Double Wheel Hoe Same tool as shown in cut, but with hoes only. $3.75.

NEW PERFECT INDEX

NEW MODEL SEED DRILL

The Seeder Adjustment in the New Model is accomplished by use of a slide with a pear-shaped opening passing under the bottom of seed reservoir, which is provided with a perforation of similar shape in a reversed position. This size can be instantly adjusted to size indicated by index or to a hair's breadth variation.

The names of the principal seeds are plainly shown on the index. The flow of seed can be instantly stopped by a swinging cut-off. This cut-off prevents all loss of seed.

Price, $7.50.

No. 20.

IRON AGE SINGLE WHEEL HOE.

Is a steady, strong, light and easy running tool, with attachments as shown in cut.

Price, $5.50.

No. 11. **IRON AGE WHEEL PLOW.**

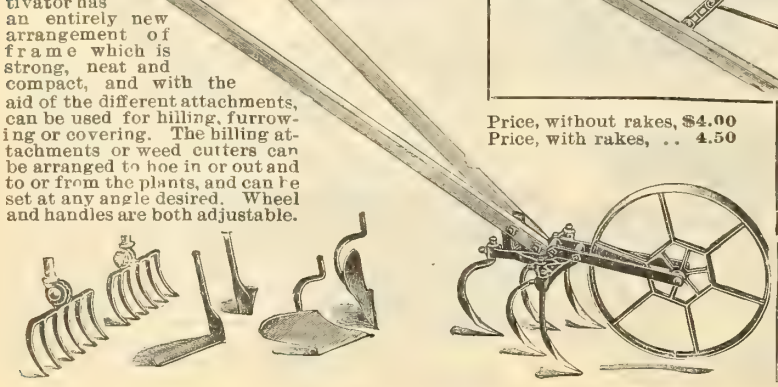
A tool needed in every kitchen garden for breaking ground, opening furrows, ridging up, covering and plowing.

Also an excellent tool for poultry men in turning under the droppings in poultry yards.

Price, $2.25.

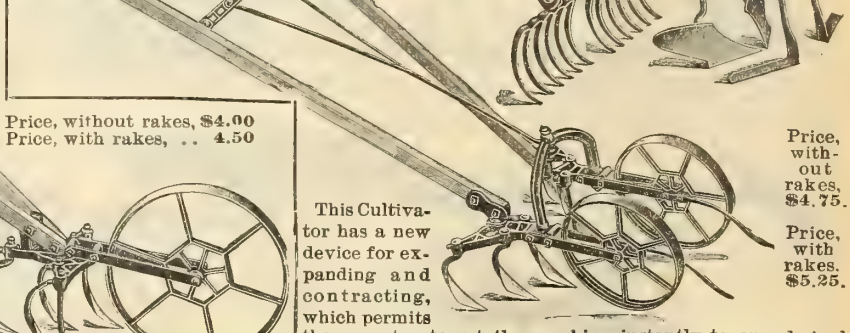
The Baltimore Single Wheel Garden Cultivator

This Cultivator has an entirely new arrangement of frame which is strong, neat and compact, and with the aid of the different attachments, can be used for hilling, furrowing or covering. The hilling attachments or weed cutters can be arranged to hoe in or out and to or from the plants, and can be set at any angle desired. Wheel and handles are both adjustable.



Price, without rakes, $4.00
Price, with rakes, .. 4.50

THE BALTIMORE DOUBLE WHEEL GARDEN CULTIVATOR



Price, without rakes, $4.75.

Price, with rakes, $5.25.

This Cultivator has a new device for expanding and contracting, which permits the operator to set the machine instantly to any desired width. It is furnished with various attachments used for harrowing, furrowing and covering.

Water Carts or Trucks, and Combination

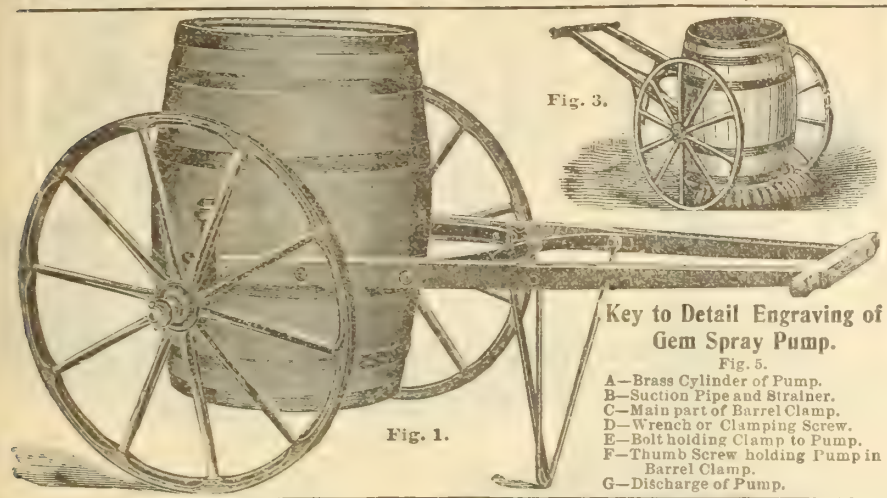


Fig. 1.

Fig. 3.

Key to Detail Engraving of Gem Spray Pump.

Fig. 5.

A—Brass Cylinder of Pump.
B—Suction Pipe and Strainer.
C—Main part of Barrel Clamp.
D—Wrench or Clamping Screw.
E—Bolt holding Clamp to Pump.
F—Thumb Screw holding Pump in Barrel Clamp.
G—Discharge of Pump.

Fig. 2.

FIG. 1.—This Fig. represents our Barrel Cart to which can be attached the "Gem" Brass Spray Pump. Fig. 5.—This is a convenient combination, and may be found useful in various ways, such as watering gardens, spraying fruit trees, etc.

The Barrel Cart and Pump may be ordered separately and arranged together to suit the purchaser. The Barrel Cart may be wheeled about when filled with water, to supply sprinkling cans for watering flowers and vegetable gardens. When the running gear or truck is ordered without barrel the trunnions may easily be fastened to any good water-tight barrel by any person with ordinary mechanical ability.

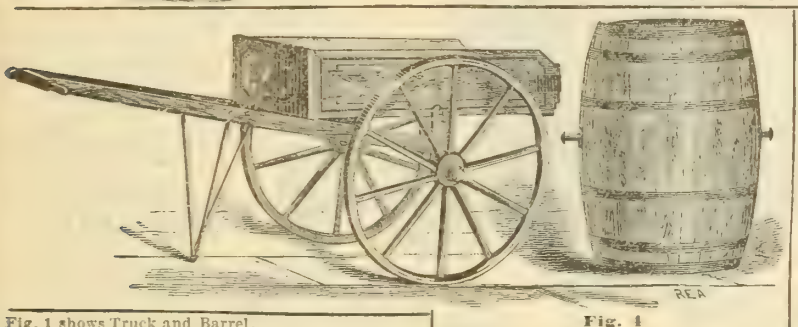


Fig. 4

THIS shows our Sprinkling Cart, which is indispensable about parks, cemeteries and country seats for watering roads, drives, walks, lawns, etc. The wheels have wide tires and the whole outfit is well made. It can also be used as a Tank Cart for carrying water, spraying trees and removing matter from cesspools, vaults, etc. Cart for spraying trees and crops. It is substantially made throughout. There is a valve in the bottom of tank, operated by lever, within easy reach of driver. List, **$90.00.** Retail, **$75.00.**

Fig. 1 shows Truck and Barrel.
Fig. 2 shows Truck with Leaf Rack Attachment.
Fig. 3 shows Truck and Barrel with Sprinkler Attachment.
Fig. 4 shows Truck and Box, with Barrel Detached.
Fig. 5 shows Gem Spray Pump.

PRICE LIST.	List.	Retail.
Water Truck	$10.00	$5.50
Water Truck and Barrel	13.60	7.50
Water Truck and Box	13.60	7.50
Water Truck, Barrel and Box	17.20	9.50
Gem Spray Pump Attachment	9.00	5.00
Sprinkling Attachment	4.00	2.50
Leaf Racks	7.00	4.00
New Barrel	3.60	2.25
Box	3.60	2.25

Trunnions, per pair, 50c.
For 2½ inch Tires on Trucks add to the above price—Retail, **$1.00.**
For 4 inch Tires on Trucks add to the above price—Retail, **$1.50.**

EXTRA TRUCK WHEELS.

		List.	Retail.
Regular Tire	Each	$3.00	$2.00
2½ inch Tire	"	4.00	2.50
4 inch Tire	"	4.50	2.75

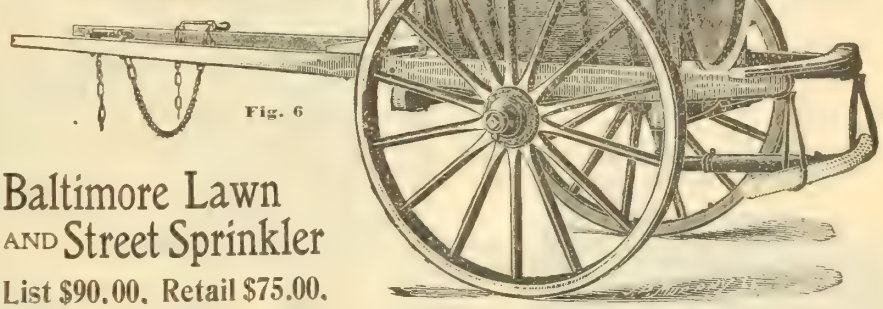
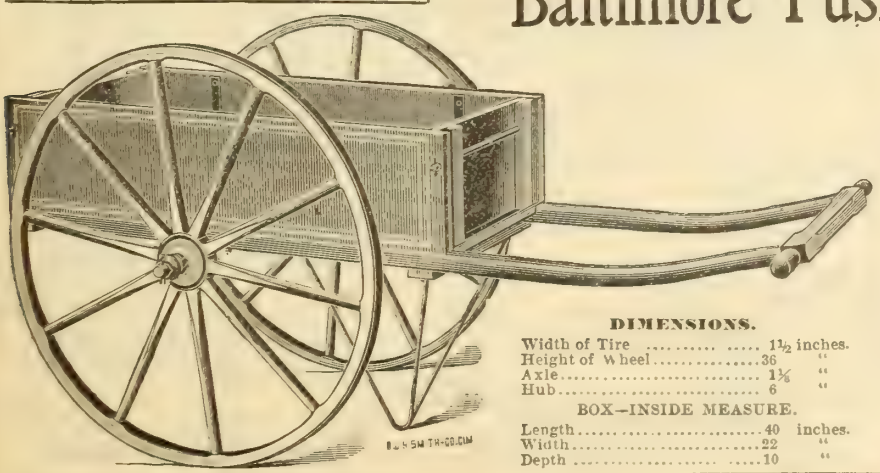


Fig. 6

Baltimore Lawn AND Street Sprinkler

List $90.00. Retail $75.00.

Baltimore Push Cart.



DIMENSIONS.

Width of Tire	1½ inches.
Height of Wheel	36 "
Axle	1⅛ "
Hub	6 "

BOX—INSIDE MEASURE.

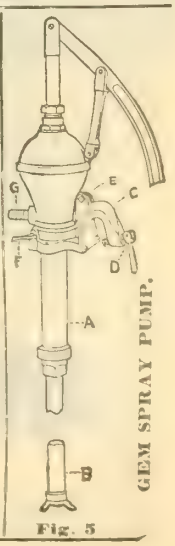
Length	40 inches.
Width	22 "
Depth	10 "

Fig. 7

For the merchant, printer, farmer, etc., to have one of these carts on his premises it will be found a most useful vehicle. There are so many purposes for which they can be employed—carrying bundles, printers' forms, farmers' tools and light implements, etc. It is never out of place, and always ready to pick up at short notice. They are nicely finished: higher wheels, better ironed and altogether superior to anything of its kind on the market. There is now an immense demand for these carts, but notwithstanding we have placed the price low.

PRICES.

Retail	$7.50
List	13.50



GEM SPRAY PUMP.

Fig. 5

OHIO BUTCHERING DERRICK

Saves Wood, Water, Extra Help and Vexation.

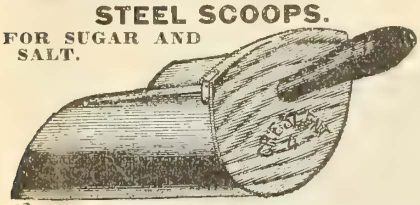
One man without any help can swing the largest hog and do all his own slaughtering.

Description.—From the pulley to the ground, 9 ft.; length of derrick, 9 ft. 6 in.; track, 6 ft. 9 in. from the ground; braces, 6 ft. 6 in. wide at the bottom. Each Derrick furnished with four gammon sticks, four pulleys, four head hooks, twenty feet manila rope, malleable iron stayrings, a windlass of easy sweep. Thoroughly well braced with proper cast-iron supports to the crane. Weight, 150 pounds.

PRICE........................ **$12.00.**

CRESCENT GALVANIZED STEEL SCOOPS.

FOR SUGAR AND SALT.



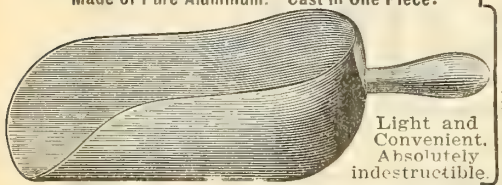
Siemens Steel, Extra Galvanized, Non-Corrosive,

HARD MAPLE HEADS AND HANDLES

No. 1—Capacity,	1½ lbs..........	Retail,	**20c.**
No. 2— "	2 lbs..........	"	**25c.**
No. 3— "	2½ lbs..........	"	**30c.**
No. 4— "	3½ lbs..........	"	**35c.**
No. 5— "	4½ lbs..........	"	**40c.**

CAST ALUMINUM SCOOPS.

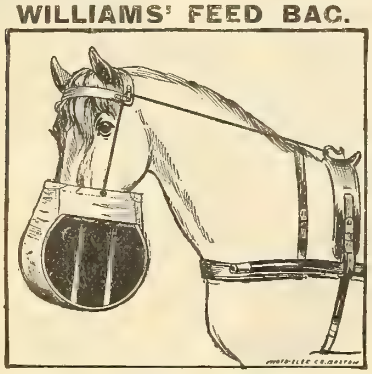
Made of Pure Aluminum. Cast in One Piece.



Light and Convenient. Absolutely indestructible.

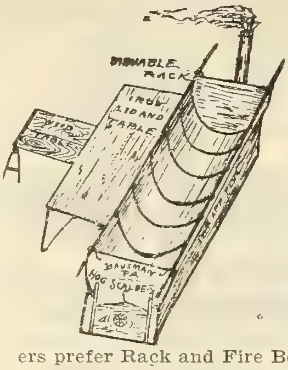
No. 1—Size,	4 x11 inches.......	Each,	**$1.25**
No. 2— "	5 x12 "	"	**1.50**
No. 3— "	5½x14 "	"	**1.75**
Per set	....		**4.50**

WILLIAMS' FEED BAG.



Heavy duck, with woven-wire sides. It folds into a small space. **The Best Wire-Ventilated Bag Made.**

Our Special Price........................**$1.25**



STEEL HOG SCALDER AND FEED COOKER.

Plain Scalder with legs, 30x18 inches x 6 feet, **$16.00.**

Fire Box, as shown...**$6.50**

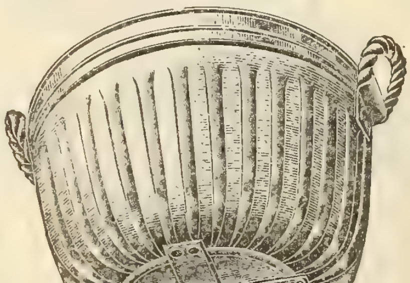
Rack (net) **4.00**

Table can be built out of wood on the place.

Plain Scalder does very well if placed over a ditch and fire built underneath but large dealers prefer Rack and Fire Box complete.

GALVANIZED STEEL BASKETS.

WITH RE-ENFORCED OR DOUBLE STEEL BOTTOMS.



Bushel—A 101............................**$1.00**

PLAIN BOTTOMS.

Bushel.. **.80**

Half bushel.................................. **.65**

UTILITY STEEL BASKETS.

JAPANNED. DRY MEASURE.

WITH BAIL AND SIDE HANDLES—

Half bushel.............................**50c.**

WITH PATENTED CLIPS AND DROP HANDLES

Half bushel.............................**45c.**

Bushel.....................................**60c.**

One and a half bushels............**75c.**

OAK BASKETS.

1 bushel,	plain..............................	**60c.**
1 "	with rim..........................	**65c.**
1¼ "	plain..............................	**70c.**
1¼ "	with rim..........................	**75c.**
1½ "	plain..............................	**80c.**
1½ "	with rim..........................	**90c.**

CEDAR AND OAK MEASURES

In Electric Welded Wire and Flat Hoop.

¼ peck, Cedar, wire hoops..............	**35c.**
¼ peck, Cedar, second quality flat hoops..............	**25c.**
½ and ¼ peck, Cedar, combined, wire hoops..............	**40c.**
½ and ¼ peck, Cedar, combd. wire hoops..............	**40c.**
½ and ¼ peck, Cedar, second quality flat hoops..............	**30c.**
Peck and ½ peck, Cedar, combd. wire hoops..............	**60c.**
Peck and ½ peck, Cedar, second quality flat hoops..............	**40c.**
½ bushel, Cedar, wire hoops..............	**75c.**
½ bushel, Cedar, second quality flat hoops..............	**50c.**
½ bushel, Oak, iron cross bar..............	**$1.25**

CORN BARRELS.

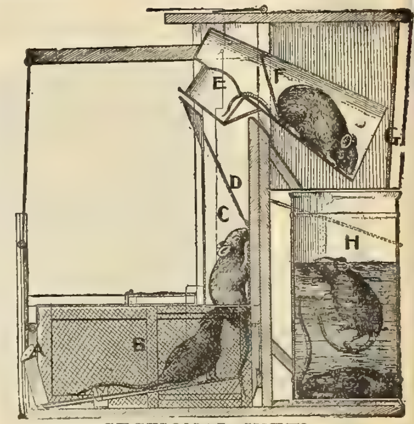
Without handles..........................**$4.50**

With handles............................. **5.00**

PIONEER FEED BAG.

Patent pocket, bridle and pulley attachments. Patent centre-grooved wood bottoms and leather ventilators.

Our special price.............. **$1.00**



SECTIONAL VIEW.

DESCRIPTION.

Height.................................. 2 feet.
Width.................................. 9 inches.
Length.................................. 2 feet.

Made of Wood, Galvanized Iron, Tin and the BEST Galvanized Wire Netting.

CLEAR YOUR PREMISES OF RATS AND MICE WITHOUT THE USE OF CATS, DOGS OR POISON.

A DOZEN RATS WILL DESTROY MORE IN ONE SEASON THAN THE COST OF A DOZEN TRAPS.

THE SELF-WORKING RAT AND MOUSE TRAP.

A TRAP far superior to anything yet produced for the extermination of this pest.

The trap is simple in operation and works automatically. The instruction for setting being carefully followed, no other attention is required.

The food boxes, of which there are three, consist of compartments one on each side and one on top of the passage way (B). These compartments are completely closed so the bait is never touched by the rats; therefore, after being once baited, need no more attention, although a small quantity of loose food occasionally strewn at the front door for consumption will be more alluring. The rat on entering the door (A) into passage way (B) in search of the food, sees at the opposite end to the door a mirror which calms the fears of the rat as he sees his own reflection and naturally leads him to believe that other companions are heading for the bait. He passes on towards the mirror, and in doing so passes over a lever, which closes the front door and he is a prisoner. He passes on to the passage way (or shaft) leading upward, wire screen being conveniently placed there to enable him to obtain a footing. He climbs up shaft (C) past a trap door (D), which closes, so he cannot return; they pass on into a metal funnel (E), again past another trap door (F), where he finds himself apparently near the outside, as there is a piece of glass inserted at (G), letting in light, through which the rat attempts to leap from the funnel. This action causes the funnel to tilt downwards towards tank (H) and reopens the trap door (A); the rat is dumped into tank (H) filled three-fourths with water. From this there is no escape for his ratship and after exhaustive efforts he finally succumbs.

The door (A) now being open again, the same operation is repeated.

Each.................................. **$5.00**

We also offer **MOUSE TRAPS** made on the same principle as the **RAT TRAPS**, but about one-third the size.

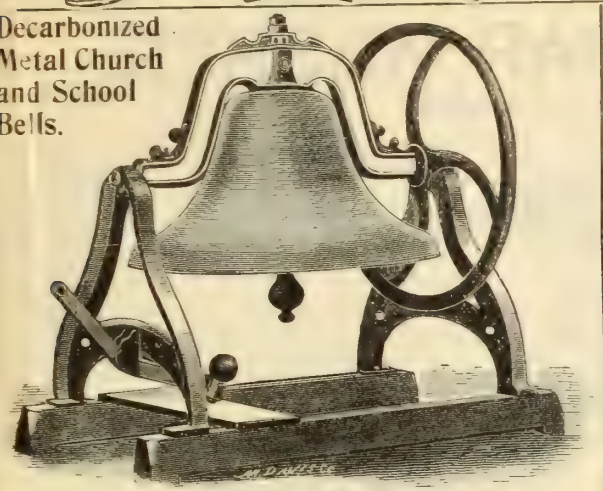
Price.................................. **$2.25**

MODOC FEED BAG.

Plain wood bottom, overhead rope with patent pocket. Our special price....**35c.**

GRIFFITH & TURNER CO.

Decarbonized Metal Church and School Bells.



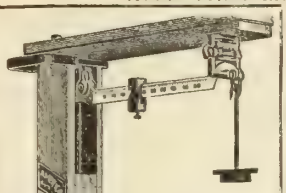
(MOUNTED.)

No.	Diameter.	Weight, complete.	List.	Retail.
5	21 inch.	150 pounds.	$15.00	$ 6.75
6	26 inch.	225 pounds.	25.00	11.25

Decarbonized Metal Farm Bells.

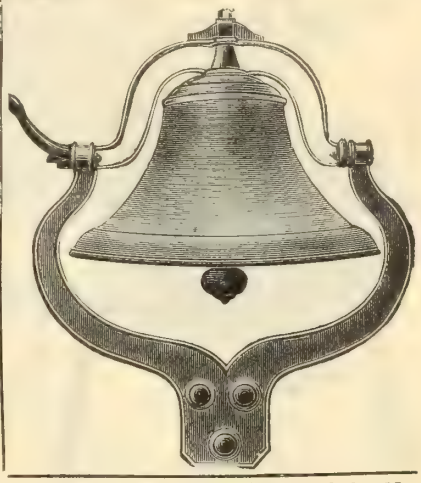
	Diameter of Bell.	Weight Complete.	List Price, Bronzed.	Retail Price, Bronzed
No. 1	14	40 lbs.	$4.00	$1.80
No. 2	15	50 lbs.	5.00	2.25
No. 3	17	75 lbs.	7.50	3.38
No. 4	20	100 lbs.	10.00	4.50

Above prices include Bell and hangings complete.



Berger's Side and Bail Lift No. 0 Tubular Lanterns.

Patented One Piece Crimped Tubes.

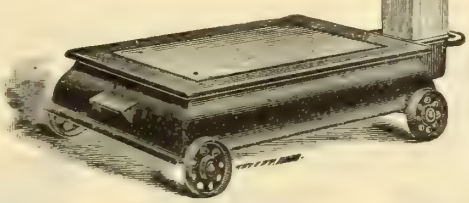


Galvanized Fount. No. 1 Burner. 5/8-inch Wick. No. 0 Globe. Lock Burner. Simplicity Side Lift. Retinned and Tested Founts. Especially designed for severe usage and is used principally in mills, barns, warehouses, lumber yards, freight houses, etc. Strongly built and a general favorite. Price.....50c.
No. 2 Cold Blast.....85c.

DASHBOARD.—Furnished in Bull's Eye Globes. No. 1 Burner. 5/8-inch Wick. No. 0 Globe. Lock Burner. Improved Catch. Finished in plain or blued tin. Patented one piece crimped tubes. Price.....75c.

Portable Scales.

THESE Scales have been on the market for some years and are favorably known as the finest Scales that are being offered the trade today at the price. They are carefully adjusted by competent workmen, and are guaranteed U. S. Standard Scales. The material throughout is of the best quality, and all pivots are of steel. The brass work is highly polished; the iron work is japanned in black, and the woodwork is finished in its natural color, making a very attractive combination.



Special Discount for Cash.

600-lb.—Size of Platform, 16x23.....$10.75
800-lb.—Size of Platform, 16x25..... 12.50
1000-lb.—Size of Platform, 17x26..... 15 00

SILVER PORTABLE FORGES.

THESE Forges stand in favor, in point of economy, over the brick Forge with leather bellows. Strong, light-running, durable and stiff, and are the best of this kind. Fig. 907 (see cut) and Factory Fig. 906 have oblong hearths, but 907 has higher sides to hold more coal. (See cut.) Factory Figures 905 and 904 have circular hearths. The cut illustrated has capacity for the heaviest kind of work.

FIG. 907 (See cut).
Height, 30 inches.
Size of hearth, 29½x46 inches.
Size fan, 15 inches.

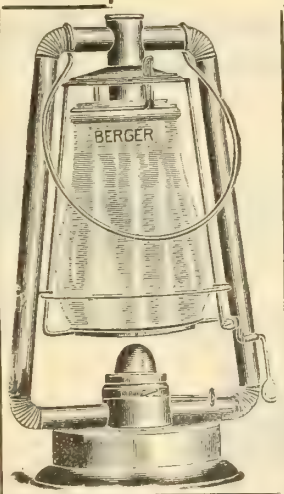
No. 1, complete, as in cut—
Factory list.....$50.00
Our special retail.. 20.00

No. 1, same, with water tank—
List $55.00
Our special retail.. 22.00

FACTORY FIG. 906 will heat iron 3 inches in diameter to welding heat. Height, 30 in. Size hearth, 24x35½. Size fan, 12 in. diam.
No. 2, with shield for outdoor work—
Factory list..... ..$36.00 Our special retail price.. $14.40
No. 2, with open hood—
Factory list.....$40.00 Our special retail price....$16.00

FACTORY FIG. 905 will heat iron 2 in. diameter to welding heat. Circular hearth. Height, 30 in. Diameter of hearth, 22 in. Size of fan 9 in. diam.
No. 2½, with shield for outdoor work—
Factory list.....$24.00 Our special retail price, ... $9.60
No. 2½, with open hood—
Factory list.....$27.00 Our special retail price..... $10.80

FACTORY FIG. 904 for light smithing. Will heat iron 1½ in. in diameter for welding. Height, 30 in. Size hearth, 18 in. diameter. Size fan, 9 in.
No. 3, with shield for outdoor work—
Factory list.....$22.00 Our special retail price... $8.80
No. 3, with open hood—
Factory list..... ....$24.00 Our special retail price... $9.60
No. 3, with closed hood—
Factory list.....$26.00 Our special retail price.. $10.40



No. 699—Bent or Straight Stem, Oval.....10c.
No. 698—Bent or Straight Stem, Round.....10c.
No. 700—Dome .....10c.
No. 3—Chase .....15c.

We carry in stock a full line of Oil Cans for all kinds of farm machinery, including the Oval, Round, Dome and Chase Styles.

Engineer's Oilers.
1 pint....30c.
1 quart..40c.

OILERS

Fig. 3—Chase. Engineer's Oiler.

AXLE GREASE AND OILS.

Per box—Atlas	$ .05
10-lb. buckets—Atlas	.55
15 lbs. in pails—Atlas	.65
25 lbs. in pails—Atlas	.80
Mica and Shining Light 10-lb. pails	.75
Mica and Shining Light 15-lb. pails	1.00
Mica and Shining Light 25-lb. pails	1.25

Mica and Shining Light in tin boxes, per box, 8c.; 3 for 20c.

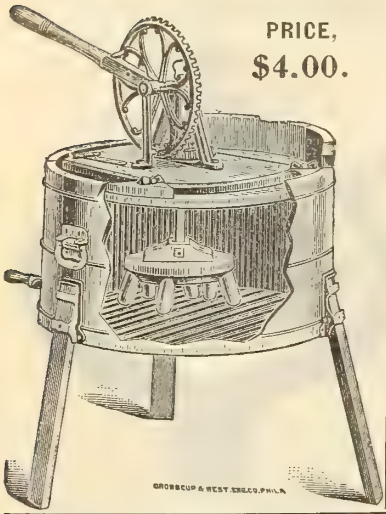
We are headquarters for a full line of Lubricating Oils. Special prices in barrel and half-barrel lots.

HARVESTER OIL.—Five-gallon can, $2.00. One-gallon can, 50c. Special prices for one-half barrel and barrels. Separator Oil, for Cream Separator, gallon can, 75c.; 5-gallon can, $2.50.

Imperial or Boston Coach Oil	$1.00	Neatsfoot Oil	$1.00
Imitation Castor Oil	1.00	Royal Harness Oil	.75
Mineral Castor Oil	.60	Gas Machine Oil	.50
		" " 10-gal. can,	.40

Special prices by larger quantities or barrels.

BALTIMORE CEDAR WASHER.



PRICE,
$4.00.

ELECTRIC WELDED WIRE HOOPS.

THE Baltimore Washer is constructed of the best white cedar, very strong, nicely finished and is one of the largest round Washers on the market. Round, electric-welded hoops of extra heavy galvanized wire, fitted in a groove around the machine, which prevents them from dropping off. The Baltimore is supplied with improved gearing, and all the castings are japanned. The inside is fully corrugated, similar to a washboard, having no nails or block of any kind. The bottom and sides are corrugated; in others the corrugation runs only the length of the staves, thus making crevices for dirt and allowing the steam to escape through the top and water to leak through the bottom. The bottom of the tub is larger than the top, allowing plenty of room for water and clothes. In this machine is placed a square galvanized iron rod fastened firmly to the dolly.

Instead of using a square wooden post to work the dolly (that is, the circular wooden revolving head that holds the clothes in position), in this machine is placed a square galvanized iron rod fastened firmly to the dolly. This whole arrangement can be lowered or raised by the operator without removing the tops, and it will also accommodate itself automatically to the quantity of clothes, rendering it impossible to tear the most delicate fabric, as this offers nothing to which the clothing can catch.

OUR SPECIAL PRICE.. **$4.00**

ORIOLE CEDAR WASHER.

THE ORIOLE is precisely the same in construction as the Baltimore, described above, and while made of cedar the wood is not selected with the same care.

While the Baltimore is finished in natural wood, the Oriole is painted.

We recommend it as a first-class machine for the money.

OUR SPECIAL PRICE.. **$3.75**

THE MARYLAND WASHER.

To meet the demand for a low-priced Washer, we offer the Maryland, which is made of pine instead of cedar, but in all other respects is the same as the Baltimore Cedar, shown above.

OUR SPECIAL PRICE.. **$3.50**

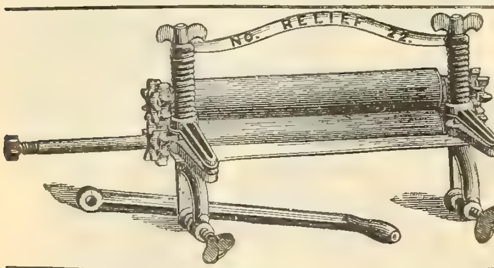
Griffith and Turner Improved Cedar Rotary Washer No. 2.

ELECTRIC WELDED WIRE HOOPS.

IT IS A FACT unquestionable that white cedar is the only wood known that successfully resists the action of water, as, witness, white cedar shingles and posts oftentimes last for a hundred years. Ninety per cent. of the washtubs used are made of cedar because they are preferred. That being the case, why should not cedar washing machines also?

This is the lightest-running and easiest-working washing machine made. Roller bearings; no friction. Works in both directions. Very simple; nothing to get out of order. The tubs are made of selected VIRGINIA WHITE CEDAR, and are nicely corrugated on sides and bottom. The hoops are made of galvanized wire, and are welded by electricity. These are much stronger than the old-style flat hoops, and CANNOT DROP OFF, being sunk in grooves.

OUR SPECIAL PRICE.. **$7.00**



RELIEF WRINGER.

IRON FRAME. THE FRAME IS MADE ENTIRELY OF WROUGHT AND MALLEABLE IRON,

By the use of the thumb-nuts and spiral springs in this Wringer the pressure can be adjusted quickly for either heavy or light work; therefore the rolls are never overstrained, and will wear much longer than the ordinary iron-frame Wringer. With cog wheels. Five sizes. Packed four and six in a case.

No. 330.—SMALL FAMILY.
Size of Rolls, 10x1¾ in. Price................**$3.00** Rolls, each.........**$1.25**

No. 332.—LARGE FAMILY.
Size of Rolls, 12x1¾ in. Price................**$3.50** Rolls, each.........**$1.50**

SUPERIOR WRINGER.

We also carry a stock of the following well-known Iron Frame Wringers—

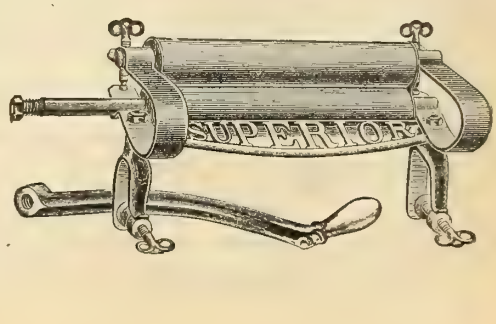
Name.	Size of Rolls.	Price.
Superior	10x1¾ in.	$2.50
Superior	12x1¾ in.	3.00
Star	10x1¾ in.	1.50

CRESCENT.—Same style as Relief, but cheaper grade rolls.

No. 130	10 inch	2.25
No. 132	12 inch	2.75

EXTRA ROLLS—

Superior	10 inch	1.00
Superior	12 inch	1.25
Cheaper grade	10 inch	.80
Cheaper grade	12 inch	1.00



NAGLEY'S

Transplanting Machine.

PRICE, $55.00.

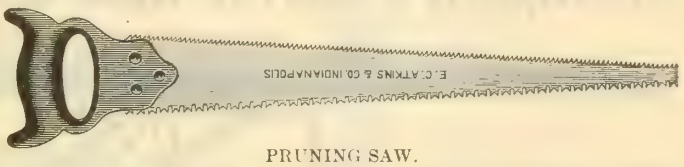
This Transplanter has been fully tested on all kinds of soil, and can be operated and worked satisfactorily on any ground on which you wish to transplant tobacco, cabbage, celery, tomatoes, etc. It is indispensable to those who have used it and can be operated so that plants can be transplanted 16, 18 20, 22, 30 or 45 inches apart, or other distances, with a three-fourths inch stream or more on the roots of the plants. The covering rollers pack the roots, leaving dry dirt around the stalk or heart of the plant; thus the roots are kept moist a number of days without danger of baking. It is also a great labor-saving machine, especially in showery weather, as it only takes two boys and driver to plant from four to six acres a day with it. The machine carries a cask of water which will water 1,200 plants, which, with proper care in transplanting, will live except where worms or other insects destroy them. In front of the plow which works in the ground there is an adjustable cleaner (shown in cut) which cleans away from in front of the plant (being set) the loose stone and lumps of dirt which otherwise might be packed around the roots or stalk of the plant; thus it will work in stony ground as well as any other. The roller packers roll over obstacles which shoes would drag along and interfere with setting the plants. Some use them for planting corn, potatoes, etc. Our automatic check valve device is furnished if desired, but a continuous stream is always recommended.

DIRECTIONS.—KEEP HEAVY OIL ON CHECK VALVE.

1st. Use martingales or breeching when hitching to Transplanter.
2d. Prepare your ground in good condition.
3d. Regulate the pressure irons so that the right pressure is attained on loose or heavy soil. The raising or lowering the rollers regulates the depth the plow should run in the ground.
4th. Adjust the footrests for the dropper boys' comfort.
5th. The two dropper boys set plants in the heel of the plow alternately.
6th. Drive horses slow and regular, and in a short time the boys can do good work.
7th. If you have long and short plants, transplant the long ones, then lower the packers for the short ones.
8th. The water is regulated by turning the upper faucet.

ATKINS' CELEBRATED SAWS.

HAND SAW.



PRUNING SAW.

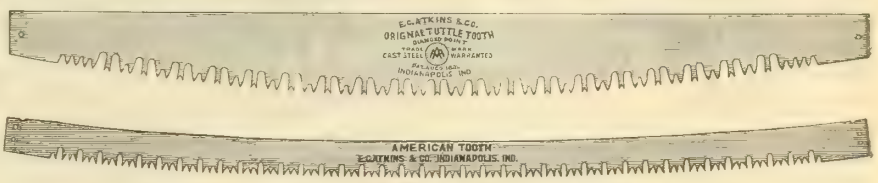
HAND SAWS.

No. 38—Am. straight back; plate on handle; fac. list, $5.30. Our special price, **75c.**

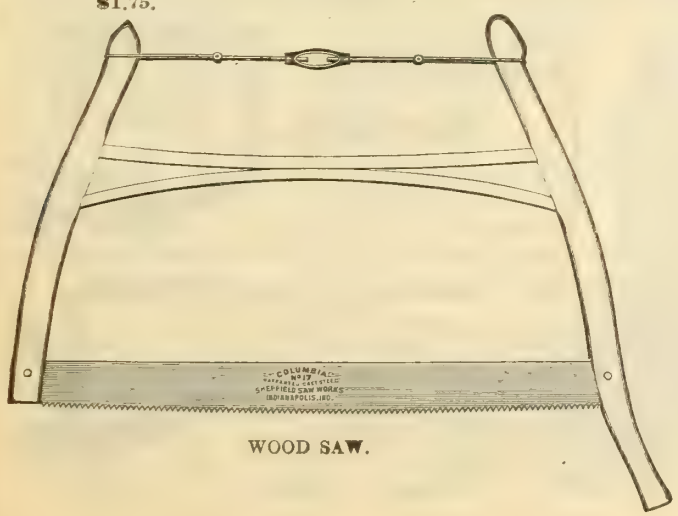
No. 59—Sheffield Saw Works. Skew back; beech handle; polished edge, 7 to 9 points; fac. list, $14.00. Our special price, **$1.00.**

No. 54—Silver steel; beech handle; straight back; polished edge, 7 to 9 points; fac. list, $22.00. Our special price, **$1.50.**

No. 53—Silver steel; skew back; carved and polished apple handle, with Atkins' perfection handle; fac. list, $25.50. Our special price, **$1.75.**



CROSS-CUT SAWS.



WOOD SAW.

CROSS-CUT SAWS.

Wide American tooth, silver steel, 5, 5½ and 6 feet. Gauge, 14x16.

Factory list, 5 ft.,	$2.30.	Our special price,			**$2.00.**
" " 5½ ft.,	2.54.	"	"	"	**2.25.**
" " 6 ft.,	2.76.	"	"	"	**2.50.**

Tuttle tooth, cast steel. Gauge, 14x16.

Factory list, 5 ft.,	$2.30.	Our special price,			**$2.00.**
" " 5½ ft.,	2.54.	"	"	"	**2.25.**
" " 6 ft.,	2.76.	"	"	"	**2.50.**

NARROW AMERICAN.

5 ft., our special price, **$1.40.**
5½ ft., our special price, **1.50.**
6 ft., our special price, **1.75.**

ONE MAN CROSS-CUT SAW.

American tooth, 3 ft., **$1.75.**
" " 3½ ft., **2.00.**
" " 4 ft., **2.25.**
" " 4½ ft., **2.50.**

Price of Cross-cut Saws is without handle.
Climax Handles, **15c.** per pair.

WOOD SAWS.

No. 617.—Wood brace frame; single rivet; painted red; plain tooth; breasted blade, 2¼ in. wide. Our special price, **69c.**

No. 508.—Wood brace frame; single rivet; selected stock; high finish; painted red; jumbo rod tinned; plain tooth; breasted blade, 2¾ in. wide. Our special price, **75c.**

No. 823.—Canti-Lever frame; selected maple stock; fine natural wood finish; jumbo rod tinned. Tuttle tooth blade breasted, 2¼ in. wide. Our special price, **$1.00.**

Wood Saw Bucks . . . . . **35c.**

PRUNING SAWS.

No. 2 DUPLEX PRUNING SAWS.

16 inch, fac. list,	$7.00;	our special price,			**60c.**
18 " " "	8.00;	"	"	"	**70c.**
20 " " "	9.00;	"	"	"	**80c.**

Broadcast Hand Seed Sowers.

For Sewing Clover, Timothy, Millet, Oats, Wheat, Hemp, Barley, Rye, Rice, Buckwheat, Etc. A Model for Accuracy and Durability.

PRICE, $3.50

Sows from 4 to 8 acres per hour at an ordinary walking gait, throwing wheat about 40 feet wide. A saving of four-fifths of the labor and one third of the seed is effected by the use of this machine, and a person entirely unused to sowing by hand can use it with perfect success.

To Sow Thicker or Thinner Without Changing the Slide.—Having set the index to the desired quantity per acre—taking the average of the field—the operator can easily sow a little thicker upon those places where the soil is richer, by taking shorter steps and thus not going so fast, and upon the poorer spots of ground it can be sown thinner by taking longer steps and consequently passing more rapidly forward.

About Sowing in the Wind.—Any one familiar with the use of the machine can sow satisfactorily in a much stronger wind than will admit of sowing well by hand; but as the ordinary work of a day can easily be done with the Sower in two or three hours, that time may be chosen early in the morning or late in the evening, when it is usually calm or nearly so.

For Sowing in Standing Corn the machine will be found of the greatest utility—nothing can ever equal it for this purpose—but will not sow as wide as on fallow ground, in consequence of the obstruction which the cork offers to the seed. A broader lap is therefore required by making the passages nearer together. (See directions).

The breadth of the cast will be according to the weight of the seed.	Wheat and Rye, 30 to 36 feet.	Oats, 21 to 25 feet.
	Barley, 27 to 33 feet.	Clover, Millet, Hungarian Seed, 20 to 24 feet.
	Hemp, 27 to 30 feet.	Timothy, 15 to 18 feet.

DIRECTIONS FOR GAUGING THE MACHINE.

The large gate is to be used when sowing grain and the small gate in the larger one for grass seed only. First close the slide or gate tight, then fix the lower edge of the index point against the scale of inches on the slide for the different seeds as follows:

For Wheat and Rye.—To sow two bushels to the acre, at 1 inch. To sow one and a half bushels to the acre, at ¾ of an inch.

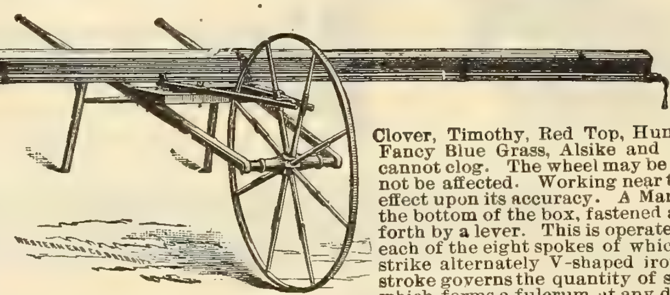
For Barley.—To sow two bushels to the acre, at 1 inch. To sow one and one-eighth bushels to the acre, at ¾ of an inch.

For Hemp.—To sow one bushel to the acre, at ½ an inch. To sow one and a quarter bushels to the acre, at ⅝ of an inch.

For Oats.—To sow two bushels to the acre, at 1½ inches. To sow one and a half bushels to the acre, at 1¼ inches.

When ready to sow, first commence turning, and with the left hand raise the slide until the nib on the slide comes against the index point. Be careful to walk and turn, as above directed. To close the slide, do it with a quick pressure of the left-hand. To sow wheat or rye in standing corn, two bushels to the acre, set the index at ⅝ of an inch and sow five or six rows at a time, according as they are wide or narrow. For Grass Seed.—To sow one peck of grass seed to the acre, raise the small gate ⅜ of an inch; half a bushel, ⅝ of an inch.

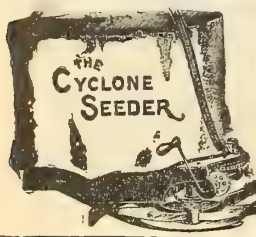
Thompson's Clover and Grass Seeder.



SOWS 12 OR 14 FEET WIDE, ANY AMOUNT DESIRED PER ACRE. WILL SOW 20 TO 25 ACRES PER DAY.

This Grass Seeder is simple, without gearing, cams or intricate machinery. It cannot get out of order. It is strong, yet weighs but forty pounds. Perfection feed is attained in making it absolutely positive, yet a non-leaking carrier when thrown out of connection. The quantity of seed to the acre is accurately shown by the index plate. You place the pin, the machine measures the seed. Clover, Timothy, Red Top, Hungarian, Millet, Flax, Orchard Grass, Fancy Blue Grass, Alsike and chaffy seeds are alike sown by it. It cannot clog. The wheel may be covered with mud, yet its working will not be affected. Working near the ground, even strong winds have no effect upon its accuracy. A Manilla rope passes through a groove in the bottom of the box, fastened at the ends to a rod moved back and forth by a lever. This is operated by the revolution of the wheel, upon each of the eight spokes of which is fastened a casting. These castings strike alternately V-shaped irons on the feed levers. The length of stroke governs the quantity of seed sown, and is regulated by the pin, which forms a fulcrum at any distance desired from the driving point. The plate for this pin is accurately marked in figures, indicating the quantity of seed sown per acre. By use of a thumb-screw the lever can be thrown out of connection, when all sowing stops, the feed rope covering the holes in the bottom of the hopper, through which, when at work, it forces the seed. Manilla rope is used because it is better than wire or any substitute. It does not wear the groove, bruise the seed, or fail in its work—wire rope will. Being scorched and chemically treated, our rope is weather-proof. It is provided with an iron wedge at one end of the feed rod, so that it may be loosened when not in use.

No. 1—Complete Clover and Grass Seeder, the most popular style........ $6.00
No. 2—Complete Seeder, with Double Hopper and Red Top, Orchard Grass, Blue Grass, Lawn Grass, as well as Clover........ 8.00



The Cyclone Hand Broadcast Seed Sower.

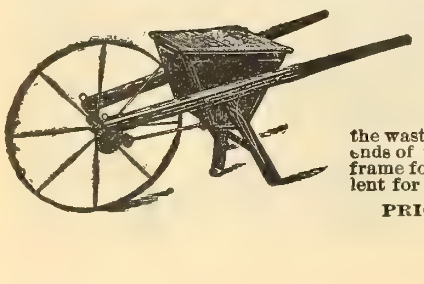
This Seeder is accurate, strong, light and durable. The best medium-price machine of its kind on the market.

PRICE **$2.00**

Chicago Seeder.

A good Seeder, at a very low price. This is the most satisfactory Bow Seeder made.

PRICE **$1.50**



Baltimore Pea and Fertilizer Drill.

The agitator is new, being of steel in the form of two knife-shaped arms sweeping around under the mass of the fertilizer and throwing it upon the revolving disc below. A shut-off has lately been added, whereby the waste of fertilizer is stopped when turning at ends of rows. As shown in cut, loops are bolted to frame for the purpose of attaching a horse. Excellent for sowing fodder, corn or ensilage.

PRICE **$6.00**

Champion Jr. Seeder

A MODERATE PRICE MACHINE.

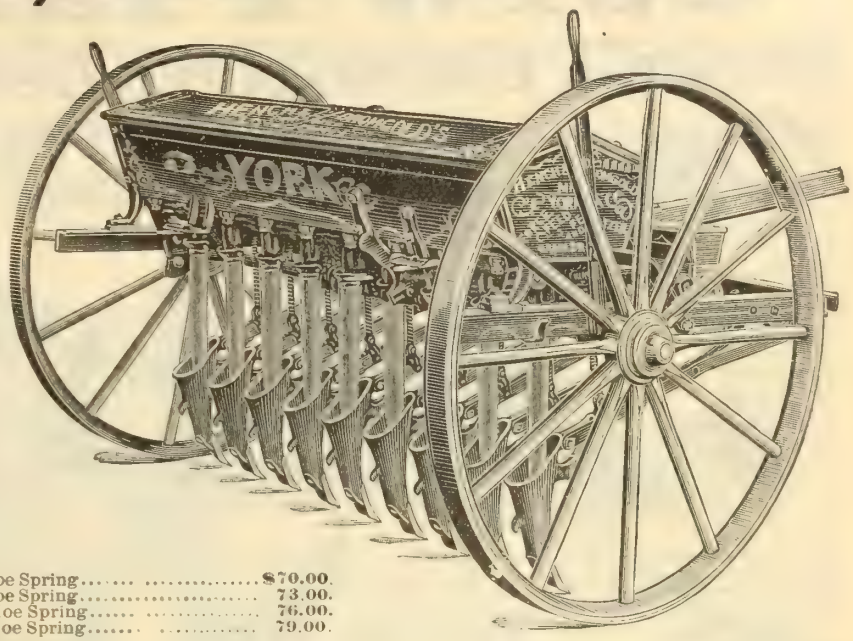
The accompanying illustration shows our CHAMPION JR. SEEDER, a moderate price machine.

GUARANTEED equal to any other make on the market.

PRICE **$1.00**

Grain Drills, Tubes and Points.

The York Feed, Grain and Fertilizer Drill.



BOTH the grain and fertilizer are positive force feeds, and will sow with absolute regularity any kind of grain or fertilizer in good condition. The grass seeder is also a force feed and can be used either in front or rear of the hoes; also the quantity can be changed to any amount necessary. It is fastened on the frame and very low down, thus preventing the wind from blowing the seed away before reaching the ground.

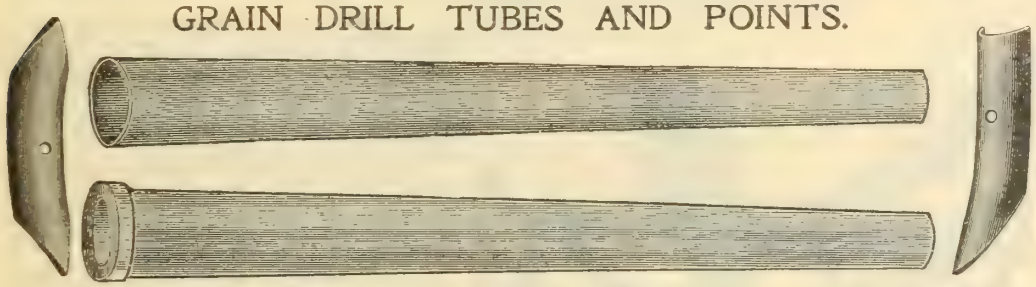
Two levers are used on this drill—one for grain feed and one for fertilizer feed, and by simply moving them either back or forward the indicators, in plain view, will guide the operator, and enable him to accurately sow the desired quantity per acre; in using the fertilizer feed the operator must be governed by the condition of the material. The quantity of grain to be sowed can by this means be varied from the smallest to the greatest amount desired, varying as little as a half to a pint at each change. The fertilizer feed can be stopped or started at any time while the drill is in motion, which makes it convenient in case the operator does not wish to sow fertilizer while going over good ground.

These drills will be furnished either in pin or spring hoe, or with discs, as well as hoes, as shown in cut.

8-Hoe Pin	$65.00.	8-Hoe Spring	$70.00.
9-Hoe Pin	68.00.	9-Hoe Spring	73.00.
10-Hoe Pin	71.00.	10-Hoe Spring	76.00.
11-Hoe Pin	74.00.	11-Hoe Spring	79.00.

☞ SPECIAL PRICES FOR CASH.

GRAIN DRILL TUBES AND POINTS.



We are one of the Largest Distributors of

Grain Drill Points and Tubes

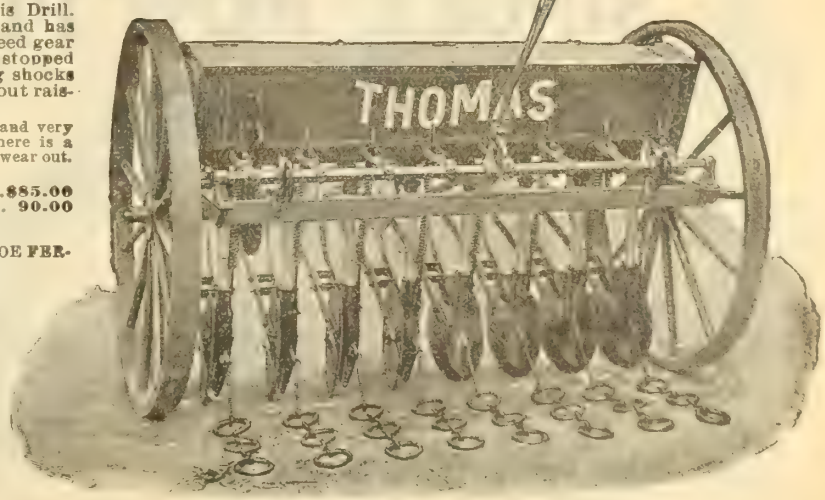
IN THE COUNTRY.

For all leading Grain Drills, including York, Superior, Pennsylvania, Bickford & Hoffman, Buckeye, Hoosier, Indiana, Champion, Empire, McSherry, Hagerstown, Greencastle, etc.

IN ordering **Tubes** it is always best to send an old Tube as a sample; if that cannot be done, be sure to state name of Drill, the kind of Tube, whether with ring, flange or plain top, or special bell-shaped top with straps, and by all means the length and diameter at top and bottom. Also with regard to points, either send an old one or give name of Drill, length of point, and be sure to give distance from centre of hole to end of point. It is always best, if possible, to send an old sample. If our customers will carefully comply with the foregoing directions, it will be a mutual saving of an immense amount of time.

Price, Tubes.....20 cents each. Price; Points .....10 cents each.

The Thomas Disc Fertilizer Drill.



THE celebrated "Marks" Fertilizer Feed is used on this Drill. The device for changing quantity is entirely new and has been thoroughly tested, and consists of a simple speed gear direct and adjustable mounted on the axle. The flow is stopped automatically when the discs are raised. When spotting shocks in sowing corn ground, can be thrown out of gear without raising the discs.

DISC BOOT.—Our Delivery Disc Boot is specially designed, and very complete and prevents choking or clogging in any soil. There is a chilled iron spindle, which will last for years if it will ever wear out. The scrapers for discs are of spring steel, and are adjustable.

8-Disc Drill	$75.00	10-Disc Drill	$85.00
9-Disc Drill	80.00	11-Disc Drill	90.00

Special Prices for Cash.

We also carry the celebrated THOMAS SPRING OR PIN-HOE FERTILIZER DRILLS.

Spring and Pin Hoe.

Spring Hoes, in the place of Pin Hoes, are furnished, if desired, at a small extra cost. They are especially adapted to rough, stony or rooty ground. The spring is strong and effective. In case of breakage of spring, anyone can quickly make a pin of wood, and go on seeding.

8-Hoe Pin	$65 00	8-Hoe Spring	$70.00
9-Hoe Pin	70 00	9-Hoe Spring	75.00
10-Hoe Pin	75 00	10-Hoe Spring	80.00
11-Hoe Pin	80 00	11-Hoe Spring	85.00
12-Hoe Pin	85 00	12-Hoe Spring	90.00

SPECIAL PRICES FOR CASH.

Corn Planters

HENCH & DROMGOLD'S CORN PLANTERS.

Steel Frame Single Row Planter, With Fertilizer Attachment.

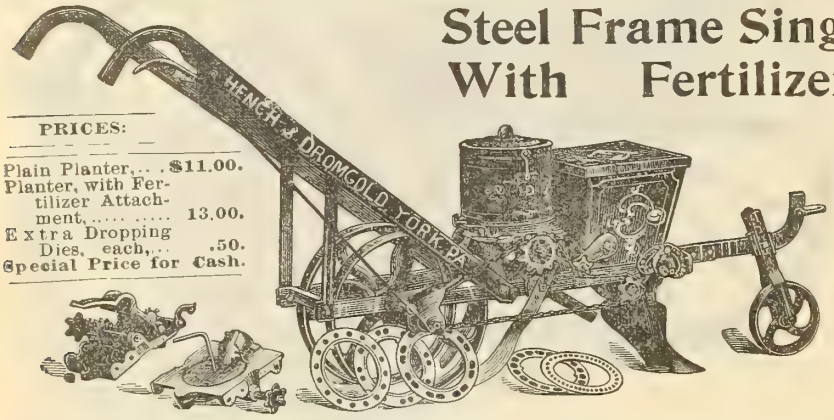


FIG. 28 B.

PRICES:

Plain Planter,...	$11.00.
Planter, with Fertilizer Attachment,.....	13.00.
Extra Dropping Dies, each,...	.50.

Special Price for Cash.

Made In Three Styles.—First, as shown in cut, with double wheel in rear, Fig. 28 B; secondly, with concave wheel in rear, Fig. 27; thirdly, with concave wheel in rear and runner in front, Fig. 28. All can be furnished with or without fertilizer attachment.

The Corn-Dropping arrangement is very simple and positive in action.

The Fertilizer Sower has an agitator which prevents the fertilizer from arching in the box, and will sow regularly any quantity from 100 to 400 lbs. per acre.

Four Rings or Dropping Dies are furnished with each Planter; two with small, and two with large holes, dropping one grain at a place and equal distance apart, and two with large and two with small holes, for dropping two grains in a hill.

Three Chain Wheels are furnished with plain Planter, and four with fertilizer. The six-point chain wheel drops one grain 13 inches or two grains 26 inches apart. The seven-point drops one grain 15 inches, or two grains 30 inches apart. The eight-point wheel drops one grain 17 inches or two grains 34 inches apart. The nine-point wheel drops one grain 19 inches, or two grains 38 inches apart. We can also furnish rings for planting Peas, Beans, Ensilage, Corn or any kind of seeds, and by using the different chain wheels can plant any desired amount.

Single Row Planter With Shoe.

PRICES SAME AS FIG. 28 B.

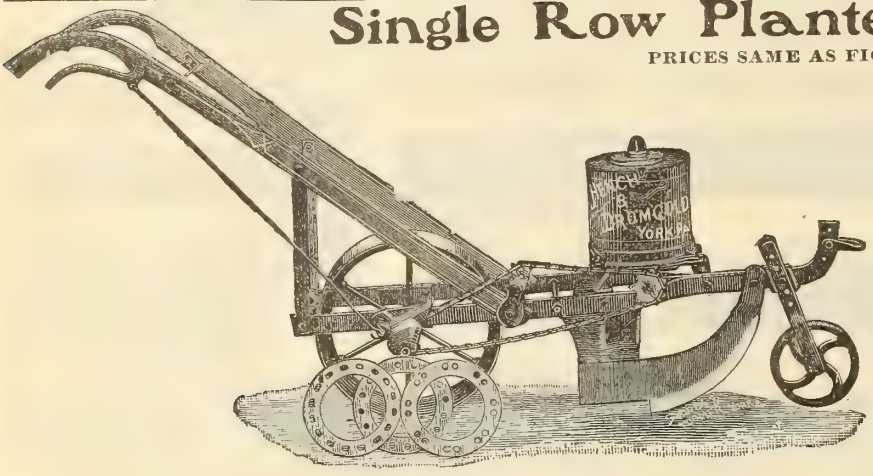


FIG. 28.

The annexed cut illustrates our Single Row Corn Planter with shoe for opening furrow in soft, mellow soil. This is preferred by many over the other styles. We furnish this Planter when ordered at the same price, either with single concave wheel or with double wheels, as shown in Fig. 28 B. In ordering the Planters please state the figure as well as name, and whether wanted with double concave wheel.

In all of these Planters the top part of corn-box is made of heavy sheet-iron, riveted to a cast ring which is hinged to the bottom, and by loosening one thumb-nut, can be turned to the side and the rings changed, and the bottom cleaned out nicely.

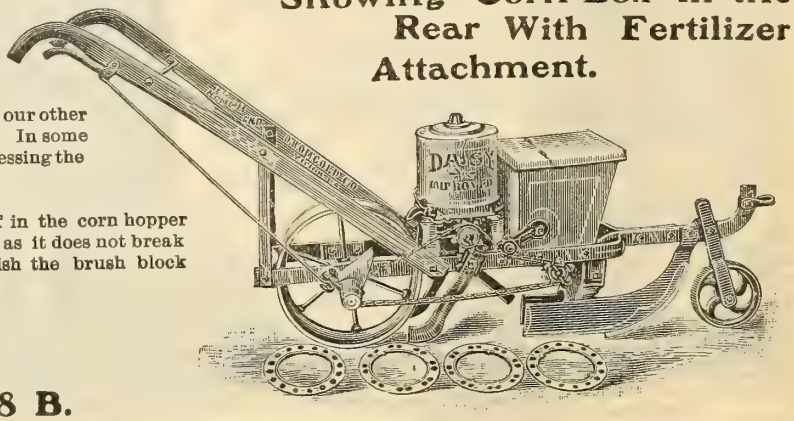
On all machines where fertilizer attachments are used the fertilizer box sets lower on the frame, has less number of pieces, less complicated and the most positive force feed of any Planter on the market; insures uniform distribution, whether dry or damp. Will sow from 20 pounds to 450 pounds per acre, and if a larger quantity is wanted, use the five-point chain wheel and it will sow 525 pounds per acre.

NOTE.—If the rows are marked out closer than three feet six inches, it will sow more per acre.

SINGLE ROW PLANTER

THE CUT represents our Single Row Corn Planter with corn-box in rear and is sold largely in some sections.

Showing Corn-Box in the Rear With Fertilizer Attachment.



It has the same dropping device and fertilizer feed as our other Planter. We furnish them with double or concave wheel. In some sections the concave wheel is preferable for rolling or pressing the ground down on the corn.

All the Planters we make have the spring trip cut-off in the corn hopper instead of the brush. This is preferable to the brush, as it does not break any corn, and is more durable. We, however, can furnish the brush block with any of the Planters if so ordered.

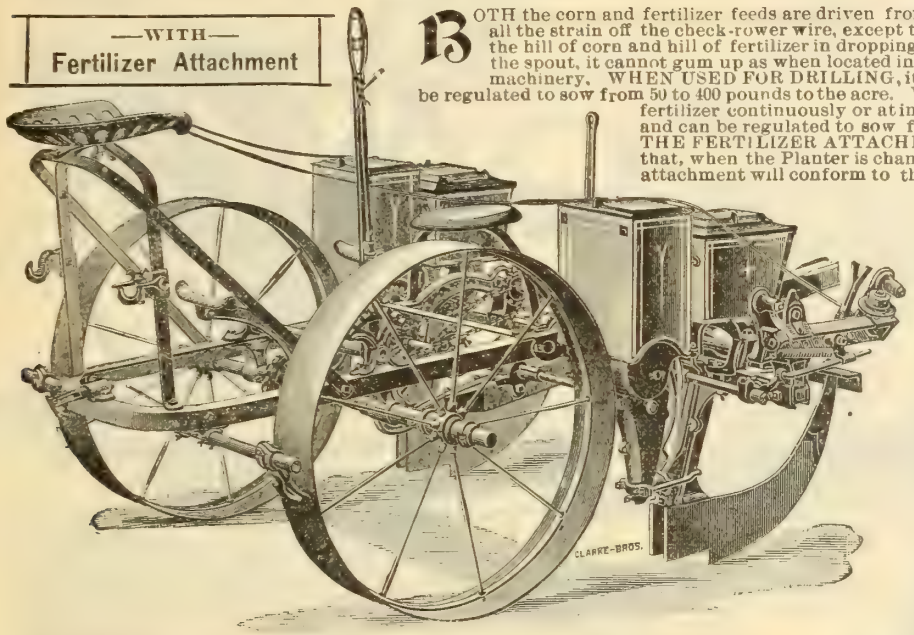
Same Price as Fig. 28 B.

GRIFFITH & TURNER CO

THE EVANS

Steel Frame Combined Drill and Check-Rower Corn Planter.

—WITH—
Fertilizer Attachment



BOTH the corn and fertilizer feeds are driven from the back axle of the machine, thus taking all the strain off the check-rower wire, except that the wire operates the valves and deposits the hill of corn and hill of fertilizer in dropping. The fertilizer feed being located inside of the spout, it cannot gum up as when located in the hopper, as is usually the case in fertilizer machinery. WHEN USED FOR DRILLING, it will sow the fertilizer continuously, and can be regulated to sow from 50 to 400 pounds to the acre. WHEN USED FOR HILLING, it will sow the fertilizer continuously or at intervals with the corn in the hills, as desired and can be regulated to sow from 50 to 400 pounds to the acre in hilling. THE FERTILIZER ATTACHMENT is made automatically adjustable, so that, when the Planter is changed from one width to another, the fertilizer attachment will conform to the width of the Planter, thus avoiding the annoyance of making any changes. THE WHOLE COMBINATION works almost as easily and with as much precision as clock work. THE MACHINE IS NO EXPERIMENT.

USING THE MACHINE AS A DRILL. It can be changed to drop 10, 12, 14 or 16 inches apart by changing the chain to the different sprocket wheels on the shaft. IN WILL PLANT IN HILLS from two to six grains by changing the chain to different sprockets, dropping from 2 to 3, 3 to 4, 4 to 5 or 5 to 6 grains in a hill as desired.

MARKER SHIFTED WITHOUT GETTING OFF THE PLANTER. We have an eye on the hammer-strap bolt to which the marker rope is attached, and the marker can be placed on either side of the Planter without the driver leaving the seat.

NO JAR ON THE HORSES' NECKS. We use a coil spring pressure connection to the Planter tongue, which relieves the horses' necks of the weight and removes the force of the jar occasioned by rough, uneven ground. It makes the Planter flexible and allows the runners to go down into uneven places and dead furrows, thus making the Planter cover more perfectly.

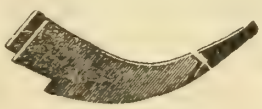
NOVEL CONNECTION TO COUPLE FRONT TO BACK. The arms connecting to the boxes on the planter-beam are slotted so that the Planter has a perfect floating motion, and is adapted to all conditions of the ground. This feature is found on no other combination Planter.

THE MACHINE IS ADJUSTABLE IN WIDTH, being so arranged that it will plant 3 ft., 3 ft. 2 in., 3 ft. 4 in., 3 ft. 6 in., 3 ft. 8 in., or 3 ft. 10 in apart for the Eastern trade. For Western trade, 3 ft. 6 in., 3 ft. 8 in., 3 ft. 10 in. The arrangement for changing it is very simple, as it is accomplished by simply loosening a few bolts. Wheels will run on or off the rows as desired.

Plain Planter.....**$32.50** Planter with Fertilizer Attachment.....**$42.50** Check-Rowers with 80 Rods of Wire.....**$10.00**

SPECIAL PRICES FOR CASH.

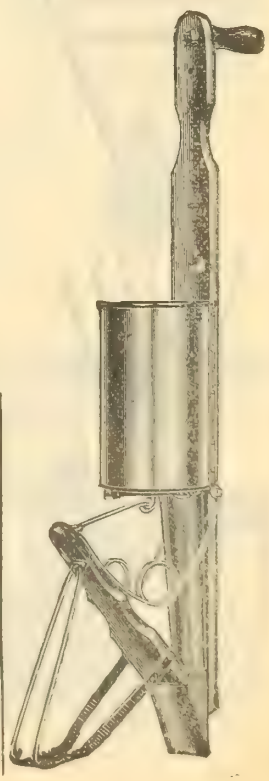
Corn Planter Runner.



We are Headquarters for Corn Planter Runners made to fit the following-named styles: Evans, Farmer's Friend, Hamilton, Barlow, Richmond Champion, Hench & Dromgold, Keystone, Jr., C. S., Black Hawk and Challenge. In ordering Planter Runners always state, as near as possible, the year Planter was made; whether steel or wood frame; or, better still, a diagram showing position of hole and style of bend.

Price, per pair.....**$3.50**

THE GORDON
Automatic Hand Corn Planter.



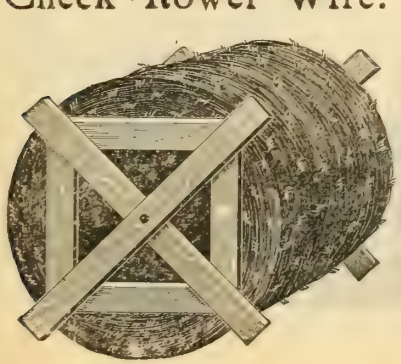
ITS ROTARY SLIDE has a motion TWO ways—back and forth. It prevents skips. No matter how short the stroke, the pocket is pushed into the corn and back into the conveyor tube. This motion is positive. It breaks up all bridging, and fills the pocket uniformly—it counts the kernels for each drop.

THE IRON STRIPPER will not wear out or break. It prevents an over-dose of corn, and will not crack a kernel. The entire dropping device is made of iron, held together by 3 bolts. All parts are easily accessible and readily adjusted.

THE HOPPER IS IN LINE WITH THE CENTRE: there is a double-coil spring on each side, and the Planter hangs well in the hand. The material is all the best. The Planter is finished with a selected hardwood frame, finished bright, a brilliantly-painted hopper, and all parts varnished.

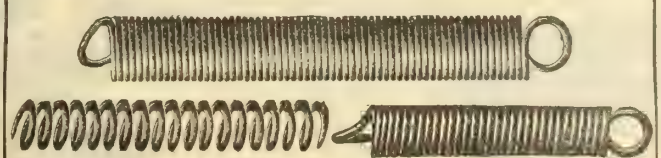
Price.....**$1 50**

Check-Rower Wire.



In Coils, 10 20, 40 or 80 Rods.
Price per Rod.....$0 06
In ordering, state if ⅞ or ¾ check is wanted.

CHECK-ROWER SPRINGS.



Check-Rower Springs and Buttons to fit most of the leading Planters, but do not carry in stock any extras except those for the Evans.

GRIFFITH & TURNER CO.

POTATO MACHINERY.

EVANS' POTATO PLANTER No. 55.

IT is a force feed, and is positive in its action, and its operation is controlled by the machine, instead of by the size of the seed potatoes.

To Change the Distances Apart in Dropping.—The machine will drop the potatoes in drills 10, 12, 14, 16, 18, 20, 28 or 36 inches apart. The change for different distances apart is accomplished by putting on more or fewer picker arms.

Vibrating Feed Hopper Bottom.—The bottom of the hopper is constructed with two feeding channels, which vibrate from the top of the hopper down to the bottom of the concaves, thus assuring an even and steady flow of potatoes.

A Novel Marker.—It is positive in operation, is constructed on the principles of the hand lever, has a spring catch which holds it in an upright position when turning around, is readily operated by the hand catch, and cannot fall when turning on hilly ground. The marker is arranged with a sliding marker head, so that the machine will plant the rows any distance apart desired.

Width of the Machine.—The machine is 36 inches wide from the centre of one drive wheel to the centre of the other.

Disc Coverers Furnished When Desired.

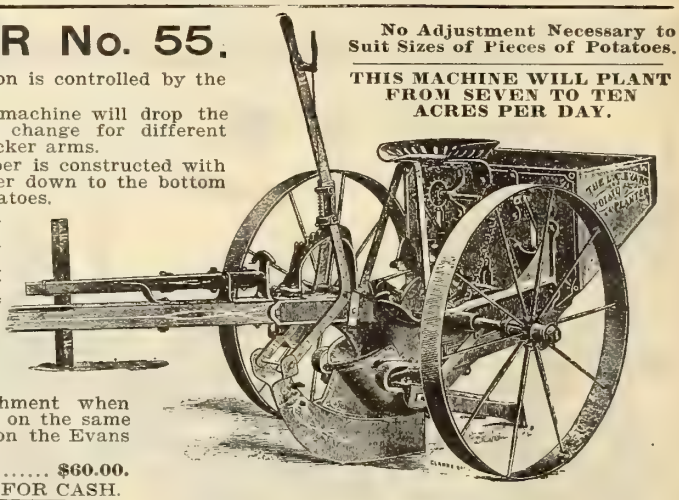
Fertilizer Attachment.—This machine can be furnished with a Fertilizer Attachment when desired. It is made on the same principle as those on the Evans Corn Planters.

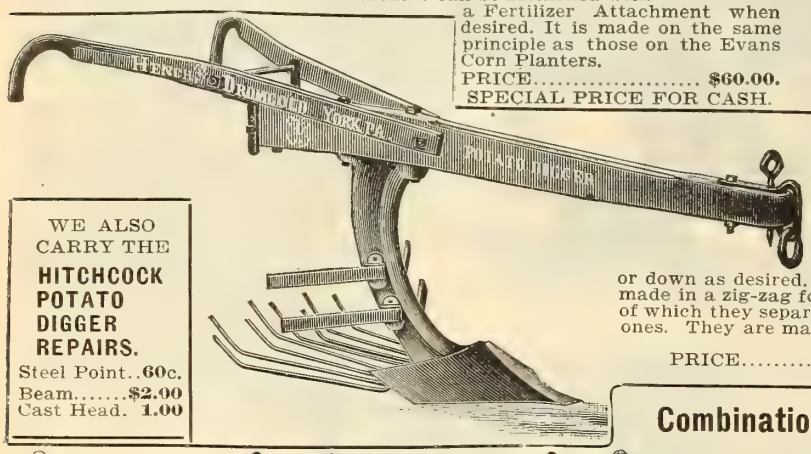
PRICE..... **$60.00.**

SPECIAL PRICE FOR CASH.

No Adjustment Necessary to Suit Sizes of Pieces of Potatoes.

THIS MACHINE WILL PLANT FROM SEVEN TO TEN ACRES PER DAY.





WE ALSO CARRY THE

HITCHCOCK POTATO DIGGER REPAIRS.

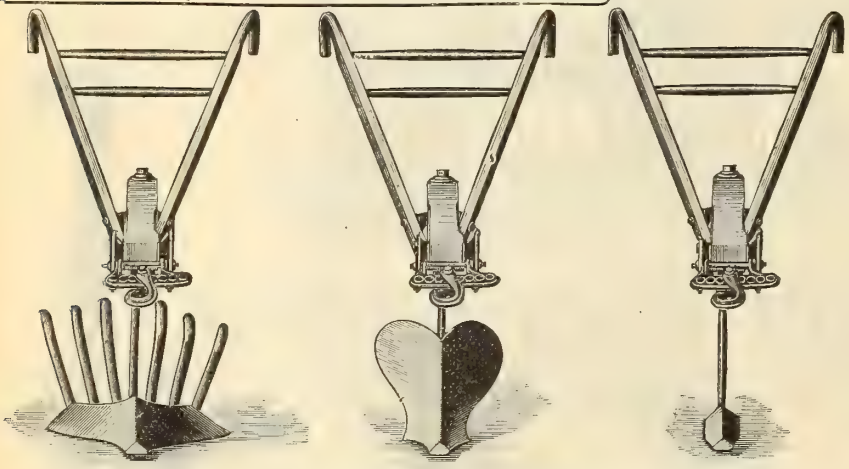
Steel Point..60c.
Beam.....$2.00
Cast Head. 1.00

HENCH & DROMGOLD'S POTATO DIGGER.

THE standards are made of cast iron, having on a highly polished steel share. The side or wing pieces to the standard are bolted with a ratchet, by which they can be adjusted to stand up or down as desired. The fingers extending back from the standard are made in a zig-zag form, instead of straight, as shown in cut, on account of which they separate the potatoes from the ground better than straight ones. They are made of spring steel, and are very elastic and durable.

PRICE..... **$7.00.**

Combination Potato Digger, Sub-soil Plow and Double Mouldboard Plow.



FOR TWO OR THREE HORSES.

EACH Plow is in itself a perfect tool. The change from one Plow to another can be made in a few minutes. The subsoil Plow should always be used with a wheel.

The standard is made of malleable iron, 6½ inches wide at the narrowest point and firmly bolted to the beam. The double mould and points and digger mould are made of chilled cast iron, polished, and digger fingers of wrought iron. Altogether a very strong and serviceable implement.

OUR SPECIAL PRICES.

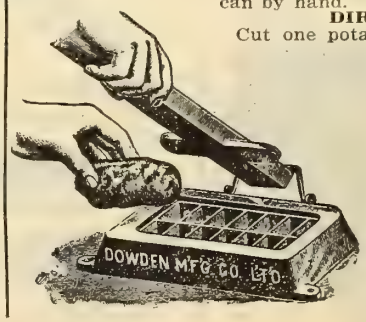
Sub-soil Plow, plain	$5.00
Sub-soil Plow, with wheel	6.00
Double Mould for same	1.00
Potato Digging Attachment for same.	2.00

Prairie City Potato Cutter.

THE PRAIRIE CITY Potato Cutter will cut potatoes for seed faster than seven or eight men can by hand.

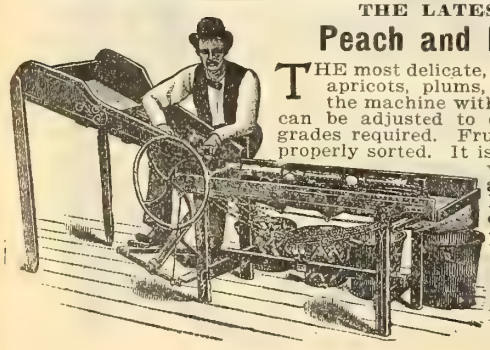
DIRECTIONS.

Cut one potato at a time. If the lever suggests some other way, you can, by two screws, take it off and change it by making it longer, or by making the paddle smaller or larger, or you can leave it off and use a wooden mallet. Be careful not to press or strike harder than sufficient to drive the potato down. A little experience will determine the force required. Price, **$2.00.**



THE LATEST IMPROVED

Peach and Potato Sorter.



THE most delicate, ripe and softest peaches, apricots, plums, etc., can be graded in the machine without the least injury. It can be adjusted to change the size of the grades required. Fruits sell better by being properly sorted. It is the only machine that will sort both peaches and potatoes. It runs as lightly as a sewing machine with foot treadle. It is easily operated.

Weight, 200 pounds.
Shireman's patent.

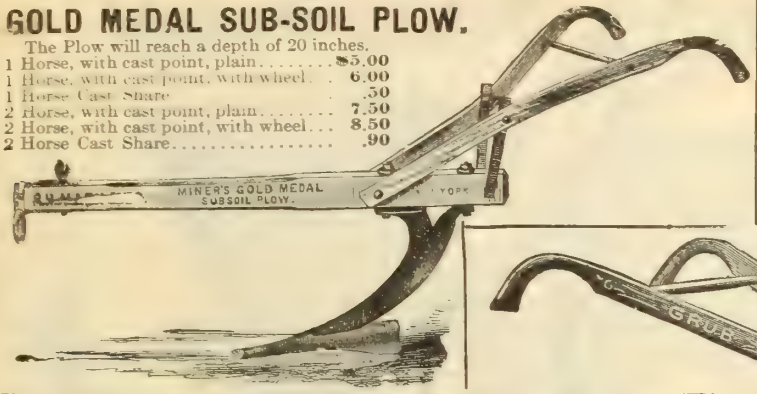
RETAIL PRICE.—No. 1, capacity 2,000 bushels per day. **$30.00.**

GRIFFITH & TURNER CO.

GOLD MEDAL SUB-SOIL PLOW.

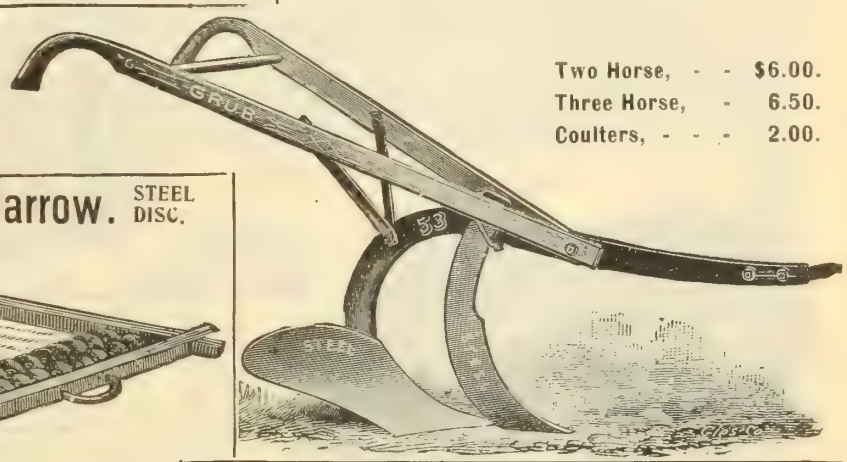
The Plow will reach a depth of 20 inches.

1 Horse, with cast point, plain	$5.00
1 Horse, with cast point, with wheel	6.00
1 Horse Cast Share	.50
2 Horse, with cast point, plain	7.50
2 Horse, with cast point, with wheel	8.50
2 Horse Cast Share	.90



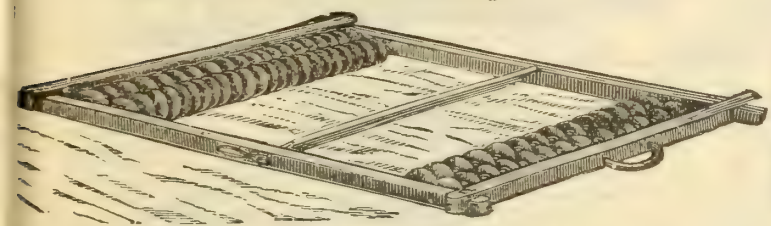
OLD DOMINION GRUB PLOW.

It is peculiarly adapted to newly cleared ground that is encumbered with growth of hazel or other bushes. All wearing parts are of the best steel, and it is so strongly built that it will withstand the hardest usage. It is the favorite Plow of its class. It is built in Right Hand only, and cuts about 7 inches. If you ever have a demand for a new ground Plow, you should try this one.



Two Horse,	$6.00.
Three Horse,	6.50.
Coulters,	2.00.

The Meeker Smoothing Harrow. STEEL DISC.



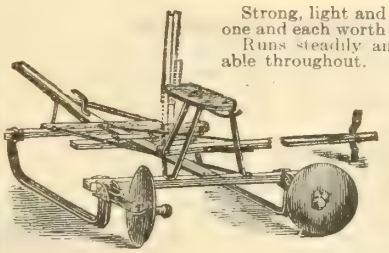
A Perfect Harrow and a Perfect Land Roller Combined.

The frame measures 6 ft. 8 in. by 6 ft., and has 4 sets of rollers, having 58 discs, 8 in. diameter on them. The discs grind all the lumps so fine that the seed must come up, leveling and leaving the land fine and smooth and doing its work far better than the rake.

Price $20.00

Special Discount for Cash.

Darnell's Improved Patent Furrower and Marker.



Strong, light and durable. A half-dozen tools in one and each worth the purchase price.

Runs steadily and cannot be choked. Adjustable throughout. Gauge self-adjusting to all inequalities of ground. Every part well made of good material, and no end to its wear and usefulness. Broad runners of wrought T angle iron with rib to prevent sliding on side hill. Revolving discs or Furrowers, fifteen inches in diameter, with chilled hub and steel axle, cutting a clean, straight furrow. Shipping weight, 140 pounds.

Price $19.00

BALTIMORE WEEDER.

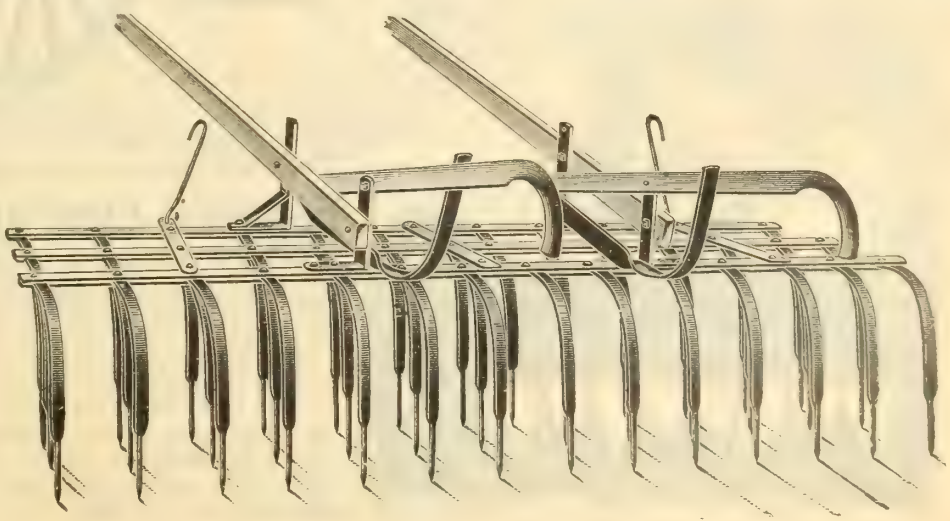
The Frame is made of steel bars and in three sections, with stays and tie bars to insure proper alignment, and the Frame will not twist as is frequently the case when bars to which the teeth are bolted are made of angle iron, a single bar to a row of teeth. This Weeder has Double Bars, and each tooth is securely riveted between the bars with hook on the end of the tooth to hold it firmly in position.

The Teeth are especially constructed on the only correct model, carefully oil tempered and tested. Points are diamond-shaped and inclined slightly forward, thereby performing better work on hard ground than teeth having trailing ends, which no more than rake the surface. It is the Flat Tooth of this Weeder that gives it its superiority over all round or semi-round weeder teeth. The round tooth has side flexibility, is easily pushed on to one side and causes what is called "bunching" of the teeth, *i. e.*, points are thrown near together, by slight obstructions, thus leaving space or ground not stirred, and causing teeth to carry surface trash which drags down the plant.

The teeth have plenty of flexibility rearwardly, but not the side motion that would render a weeder useless for the purpose for which it is designed.

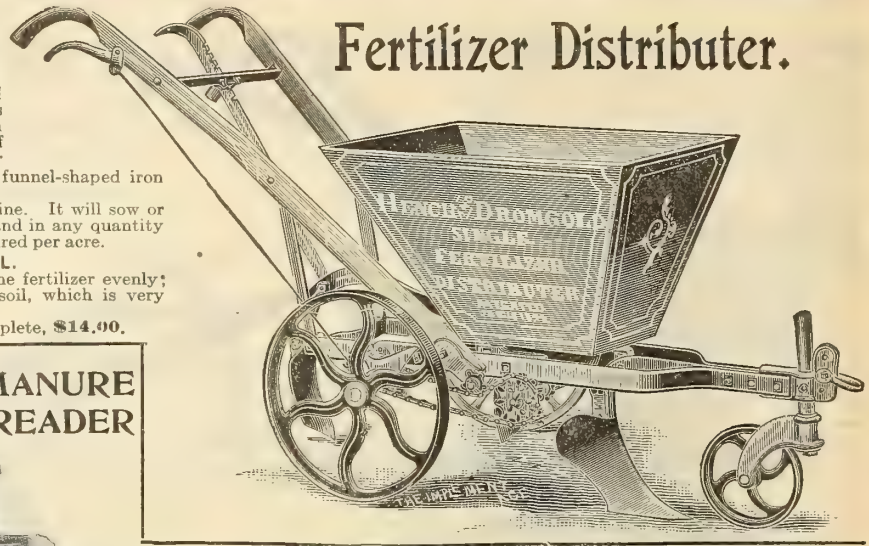
Handles and Shafts are adjustable and made of the best lumber.

Our Special Price $9.00



GRIFFITH & TURNER CO

Single Row Fertilizer Distributer.



THIS DISTRIBUTER has same Fertilizer Feed as used on Hench & Dromgold Corn Planters except that it is much larger; it has given perfect satisfaction wherever used; is comprised of only five pieces, so arranged as to prevent fertilizer from arching. We also have under the planter a funnel-shaped iron which scatters the fertilizer as desired.

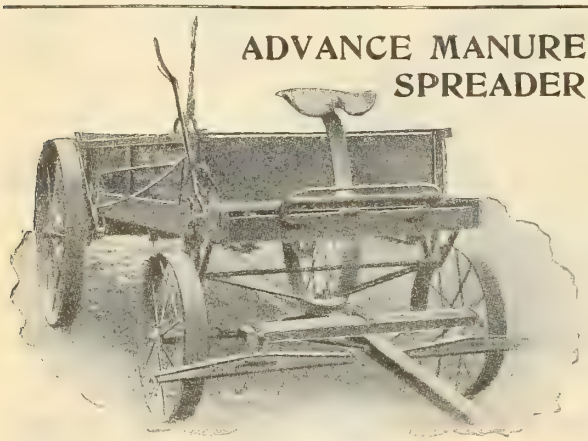
Three chain wheels are furnished with each machine. It will sow or distribute evenly any kind of commercial fertilizer and in any quantity desired, from the smallest to the largest amount required per acre.

FURNISHED WITH SCORING SHOVEL.

to open the row, and at the same time distribute the fertilizer evenly; also a rear shovel to mix the fertilizer with the soil, which is very important.

Price, with furrowing out and rear shovels. complete, **$14.00.**

ADVANCE MANURE SPREADER



Axles of cold drawn steel, 2⅜ in. rear, and 1¾ in. front wheels with cast-iron hubs, steel tires and steel spokes with upset ends. Tires 5 in. wide in rear and 4 in. wide in front. Amount distributed regulated by driver, from seat, and every inch of ground covered. The double gear operates beater, and works from both sides. Will spread any and all kinds of barn-yard manure, fertilizer, lime or ashes. By means of the end gate no material is wasted. With OFF MOTION of the lever, by the driver, the end gate is raised and machine thrown in gear. Machine cannot be thrown in gear unless end gate is raised safely out of the way of beater, thus avoiding breaking. Will spread broadcast or in rows, thick or thin, as desired, and feed can be changed from one to twenty-five loads per acre without stopping machine.

No. 1, 40 Bushels	**$100.00**
" 2, 55 Bushels	**105.00**
" 3, 70 Bushels	**110.00**
Brake or Lock for hilly sections	**$5.00**
Three-Horse Evener	**4.00**

SPECIAL DISCOUNT FOR CASH.

ATTACHMENTS.

Drill attachment, for row manuring, extra	**$8.00**
Lime Hood	**5.00**

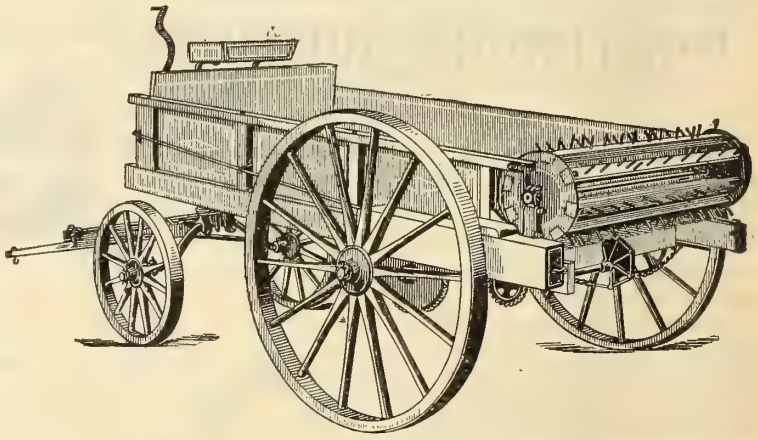
Griffith & Turner Manure Spreader.

For several years we have been experimenting with different machines, endeavoring to secure one that would economically and evenly spread manure, and we now have succeeded in placing on the market the Spreaders as represented in the annexed cuts.

The GRIFFITH & TURNER machine is made specially for us by practical men who have experimented with it on their own farms until they succeeded in bringing it to its present state of perfection. To say "strong, stiff and durable" may be a repetition of a hackneyed phrase, but we ask an examination into the merits of this machine before looking further, and we desire to call special attention to its strong points.

Size axle, 2¼ in., turned at wheel bearing to 2⅛ in.; width of body inside, 54 in.; height, 40 bushels, 15 in.; 50 bushels, 19 in. Open beater. Width of tire, 4 and 5 in. rear and 3 and 4 in. front, according to price. Sills are made of 3x4 straight-grained Northern Ash, and pole and frame of same wood. Length of body sills, 9 ft. 8 in. Two chains, one on either side, are used to run the bed, instead of one in centre, adopted by some makers. A comb board is placed just above the beater to prevent lumps from passing through. This machine is at all times under full control of the driver. It is supplied with gears to spread from 2½ to 40 loads per acre.

Full directions accompany each machine.

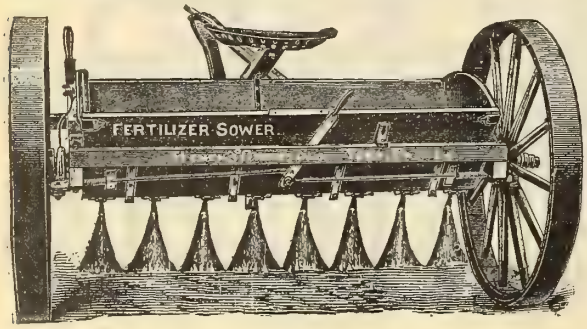


PRICES.

40 bus. Spreader, 4 in. rear and 3 in. front tires	**$110.00**
50 " " 4 in. " " 3 in. " "	**115.00**
For 5 in. rear and 4 in. front tires, add	**4.00**

SPECIAL DISCOUNT FOR CASH.

Whiffletrees, Neck Yoke and Two-horse Evener furnished with each machine.



Fertilizer, Lime and Ash Distributer

This Fertilizer Distributer will sow, evenly, Fertilizer, Paris Green, etc. The machine is easily operated. The lever on the rear throws the machine in and out of gear. The lever on the left side changes the feed to a small quantity for sowing, even Paris Green, and will sow as much as 8,000 pounds of fertilizer per acre.

No. 1, Distributer, 3′ 6″	**$30.00**
No. 2, Distributer, 4′ 8″	**36.00**
No. 3, Distributer, 5′ 10″	**42.00**
No. 4, Distributer, 8′ 2″	**48.00**

We furnish these Distributers with boots at **$10.00** advance on No. 1; **$13.50** on No. 2; **$16.50** on No. 3.

Those persons who use unsifted lime can order extra screen, which is a little larger than the box. Price, **$2.50.**

GRIFFITH & TURNER CO

BALTIMORE LIME AND ASH SPREADER.

A strong and substantial machine, has spreading capacity of from 15 to 80 bushels to the acre. The quantity can be regulated at the will of the operator. The wheels are 4½ feet high. The machine has six feeds and will spread 7½ feet wide.

The box or hopper is fitted with a powerful agitator which breaks any arch formed by lime, ash or commercial fertilizer. The lime is fed out on a distributing board or shaker which can be set at different elevations, and this, in vibrating, distributes the lime evenly and regularly.

With this machine a field may be evenly covered with as little or as much lime as the land can consume or is required for the nourishment of the crops.

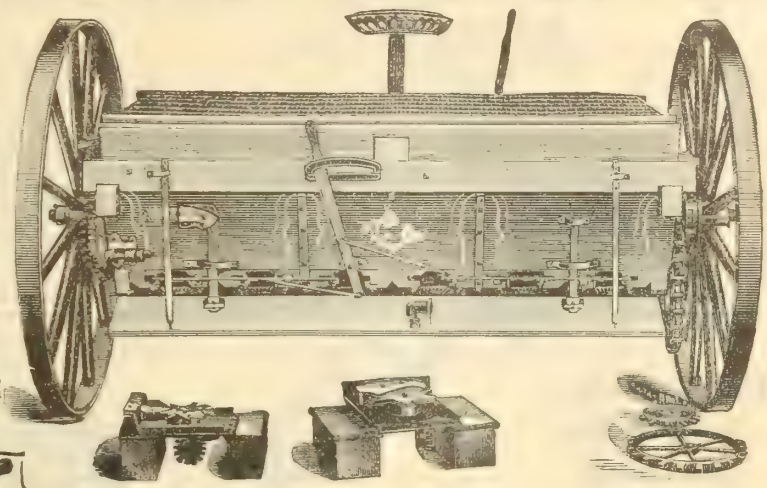
Lime is not easily nor is it evenly spread by hand, particularly in small quantities.

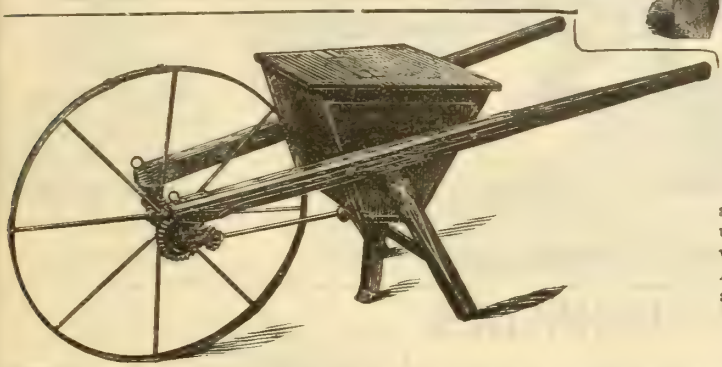
After lime has been hauled into the field, placed in large piles and slaked it is ready to be spread. Any boy strong enough to fill the hopper and manage horses can operate the machine.

The lime falls but a few inches, thus avoiding dust to either driver or horses. If the wind is very strong an apron can be tacked, if desired, in front of hopper.

Ordinary lumps going through the attached sieve will not interfere with the sowing. We also furnish an extra cap and large wheel whereby fertilizer of every description and plaster can be sown with the spreader in quantities as low as 300 pounds, and, if coarse, 250 pounds per acre. The hopper will hold even with sieve 18 bushels of slacked lime.

Price..... **$75.00**





BALTIMORE PEA AND FERTILIZER DRILL.

The agitator is new, being of steel in the form of two knife-shaped arms sweeping around under the mass of the fertilizer and throwing it upon the revolving disc below. A hut-off has lately been added, whereby the waste of fertilizer is stopped when turning at ends of rows. As shown in cut, loops are bolted to frame for the purpose of attaching a horse. Excellent for sowing fodder, corn or ensilage.

Price **$6.00**

We regret very much that those articles described below came to hand too late for proper classification, namely, KNO-BUG and COW-EASE, but believing them both to be of special merit we insert them here.

KNO-BUG

Is a compound of several different ingredients put together to make an article that will KILL the dreaded POTATO BUG, leave the vines in good condition and *increase the yield of potatoes.*

It is better than Paris Green because safer and easier to handle and does not injure the plant. It is a plant food, and acts as a tonic and stimulates the growth of the vines. It will not stunt the growth of the plant. It will prevent *Blight, Scab* and *Rot.*

KNO-BUG *is sure to give satisfaction.* TRY IT.

KNO-BUG is put up in the form of a dry powder and is best applied with a gun or sifter, but can be used in water if desired.

KNO-BUG sifters especially made for sifting *Kno-Bug*, but can be used for Paris Green or other powdered insecticides if desired, price, 50c.

OUR SPECIAL PRICES.

1 lb. package	$ .10
3 " "	.25
8 " "	.50
20 " Boxes	1.00

A PREPARATION to prevent the dreaded fly pest on horses and cattle. It is a clean, clear, non-penetrating liquid, does not gum up the hair or blister the skin. It contains nothing injurious and is *absolutely harmless.*

COW-EASE WILL KILL ALL LICE AND VERMIN.

DIRECTIONS FOR USE.

For those who have a large herd of cattle the quickest and best way to apply COW-EASE is to use the sprayer. Where it is used in a small way a brush or a sponge will suffice. Only light applications are necessary.

FOR COWS.—Under ordinary conditions apply around the bag, roots of tail and horns, also across back and about fore-shoulder.

FOR HORSES. Apply lightly with a sprayer, first on legs and abdomen, then on other parts.

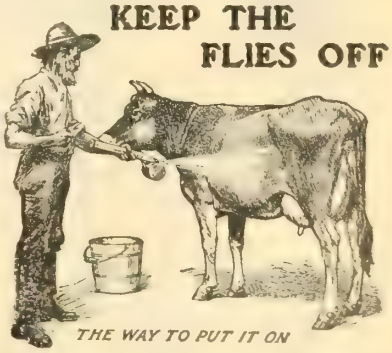
FOR POULTRY. Spray interior of coup. Paint roosts and dropping boards.

FOR SWINE. Apply lightly with a sprayer, first abdomen, then across back.

Cow-Ease

IS GUARANTEED TO

KEEP THE FLIES OFF



THE WAY TO PUT IT ON

If it is used as directed. It does not gum the hair or blister the skin. If your dealer does not have it we will send a gallon can, prepaid, for one dollar.

WHEN TO APPLY COW-EASE.

THE BEST TIME. For cows, before milking in the morning. For horses, before driving. In very sultry weather it should be applied every day.

Any of our Atomizers described on page 73 will apply COW-EASE very nicely and economically.

Our special price, per gallon, **$1.00.**

GRIFFITH & TURNER CO

GENUINE OLIVER CHILLED PLOWS AND REPAIRS

PLOWS—PRICES.

WOOD BEAM.—RIGHT AND LEFT HAND.

No. A-1 and A-2	$4.50	No. E 1	$9.50
" B	6.00	" 40	9.50
" B Vineyard, Right Hand only	7.50	" 40 XX	10.50
No. 10-0	7.00	" 22, Chilled, Iron Beam, Right and Left Hand	11.00
" 13	8.00	No. 3 X, Chilled, Iron Beam, Right Hand only	9.50
" 19	8.50		
" 20	9.00		

OLIVER COMBINATION PLOWS.

WOOD BEAM, RIGHT AND LEFT HAND.

No. 120—All Chilled, only	$9.50
" 140—All Chilled, only	10.00

OLIVER SPECIAL PLOWS.

No. 1—Road and Grading Plow, all steel, with Standing Coulter and Gauge Iron or Wheel	$30.00
The Oliver Sub-soiler, best of its kind, with Wheel	14.00

OLIVER HILLSIDE PLOWS.

They are made in two sizes—the smallest, No. 52, for one horse, and the largest, No. 53, for two horses. It is made with steel mouldboard and cast point, and is well equipped in all respects for first-class work.

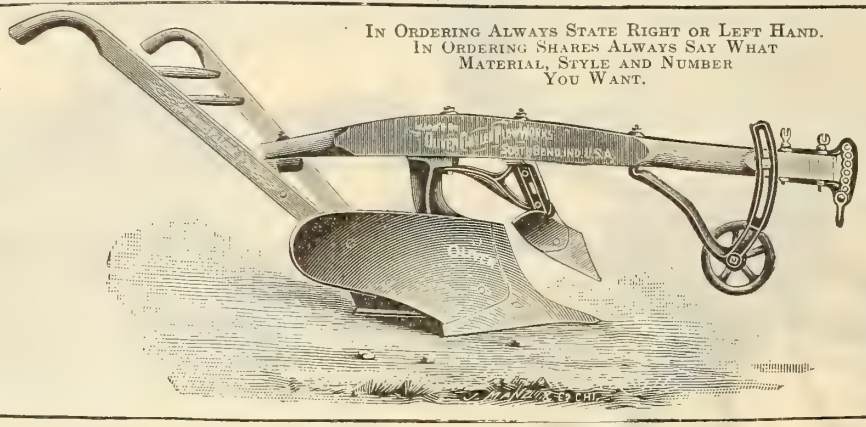
In addition to its excellent qualities as a hillside Plow, it also works admirably in level ground, and having been thoroughly tried we do not hesitate to recommend it highly.

No. 52, Steel Mouldboard, Cast Share	$10.00
No. 57, Steel Mouldboard, Cast Share	12.00
No. 58, Chilled Mouldboard, Cast Share	9.00

NOTE.—A Clevis, Wrench and an extra share are included in above prices for Plows fitted with Cast Shares, but wheels and jointers are not.

Don't Forget to Look for the Oliver Trade Mark on All Genuine Oliver Goods.

IN ORDERING ALWAYS STATE RIGHT OR LEFT HAND.
IN ORDERING SHARES ALWAYS SAY WHAT MATERIAL, STYLE AND NUMBER YOU WANT.



If Your Dealer From Whom You Obtain Your Plows and Repairs Does Not Handle the Genuine Oliver Plows and Castings Write to Us Direct.

OLIVER REPAIRS.

MOULDBOARDS.

No. A-1 and A-2	$1.25	No. 40 XX	$3.50
" B and B. Vineyard	1.75	" E	3.00
" 10-0	2.00	" 3 X	3.00
" 13 and 13 Vineyard	2.25	" 98	2.75
" 19	2.50	" 99	3.00
" 20	2.75	" 119	2.50
" 22	3.00	" 120	2.75
" 40	3.00	" 140	3.00

STANDARDS.

No. A	$1.25	No. 40	$2.50
" B	1.50	" 40 XX	3.00
" B. Vineyard	2.00	" E	2.50
" 10-0	2.00	" 119	2.50
" 13	2.25	" 120	2.50
" 19	2.25	" 140	2.75
" 20	2.25		

SHARES.

Numbers.	Cutter Shares.	Plain Shares.	Cutter Slip-Nose Shares.	Plain Slip-Nose Shares.	Reversible Shares.	Cast Reversible Slip.
A	20c.	18c.		25c.		8c.
B	25c.	20c.		25c.		10c.
B. Vin.		20c.		25c.		10c.
10-0	25c.		35c.			10c.
13	25c.		35c.			10c.
19	30c.		40c.			10c.
20	30c.		40c.			10c.
22	40c.	35c.		45c.		10c.
3 X	30c.					
40	30c.		45c.			10c.
40 XX	40c.					
E	30c.		45c.			10c.
98	55c.	40c.			25c.	15c.
99	55c.	40c.			25c.	15c.
119		45c.			32c.	22c.
120		45c.			32c.	22c.
140		45c.			32c.	22c.

All Polished Points each, add extra 10 cents.
Non-Reversible Shares and Slips same as Reversible.
Bowers' Slips same as other slips.

LANDSIDES.

No. A	$ .40	No. 40 and 40 XX	$ .75
" B and B. Vineyard	.60	" E	.75
" 10-0	.60	" 98	.75
" 13 and 13 Vineyard	.65	" 99	.75
" 19	.75	" 119	.75
" 20	.75	" 120	.75
" 22	.75	" 140	.75
" 3 X	.75		

HANDLE BRACES.

No. A	25 cents.
" B-10-13-13 Vineyard, B Vineyard	30 "
All other Handle Braces	50 "

HANDLES.

COMPLETE.—PER SET.

No. A-B-10-0	$1.25	No. 98-99-119-120 and 140	$1.85
" 22, complete, less rod	1.25	" 113	1.60
" 13	1.50	" 19-20-E, 40 and 40 XX	1.75
" B Vineyard	2.00		

HANDLES.

PER PAIR AND SINGLE.

All numbers, per pair, loose	$1.00
All numbers, single, each	.50
Rounds, per pair	.10
L. S. Handle Plates	.10

CLEVISES.

Clevises Marked "A," for One-Horse Plows	$ .20
" Marked "B," for Two-Horse Plows	.30
" Marked "D," for Three-Horse Plows	.50
" Shackles, Twisted	.10
" Wrenches	.05
" Guide Pins	.03
" Shackle Pins	.03
" Links, Two-Horse	.05
" Rings, One-Horse	.05

BEAMS.

No. A-B-B Vineyard and 10	$1.00
No. 40 XX	1.50
All other numbers, Wood	1.25
No. 22, Iron	4.25

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE.

OLIVER REPAIRS.—Continued.

ROLLING COULTERS.

We have Rolling Coulters to fit every kind of Oliver Plows upon which they may be required. See prices below.

11-inch, for One-Horse Plows, complete.....$2.50
13-inch, for Two or Three Horse Plows, complete..... 3.00

COMBINATION PLOW REPAIRS.

Numbers.	Mouldboard Lugs.	Handle Lugs.	Mouldboard and Landside Braces.	Shins.	Levers.	Springs.	Landside Plates.
98	20c.	20c.	40c.	.....	20c.	5c.	5c.
99	20c.	20c.	40c.	.....	20c.	5c.	5c.
119	20c.	20c.	40c.	20c.	20c.	5c.	.....
120	20c.	20c.	40c.	20c.	20c.	5c.	.....
140	20c.	20c.	40c.	20c.	20c.	5c.	.....
3 X	20c.	20c.	.....	.....	.....	.....	.....

Where blank spaces occur parts are not made, hence prices are not given.

HANGING COULTERS.

These are made to any of our Jointer Holders, and take the place of the Jointer where their use is desired.

All other numbers, complete, Two-Horse.....$2.00
All numbers, complete, One-Horse..... 1.50
Holders, same as for Jointers..... 1.00

HILLSIDE PLOW REPAIRS.

Plow Nos.	Chilled Mouldboard	Steel Mouldboard	Standards.	Landsides.	Cast Shares.	Set Handles.	Beams.	Clevises.	Wrenches.	Wheels.	Jointers.
53½	$3.00	.....	$2.50	$ .75	$ .40	$1.75	$1.00	$ .35	$ .15	$1.00	.....
57	.....	$4.00	3.25	.75	.50	2.00	1.00	.35	.15	1.00	$2.00
58	2.00	.....	.....	.75	.50	1.25	4.00	.25	.15	1.00	.....

Other parts not enumerated, prices furnished on application.

NOTE.—A Clevis and Wrench are included in the foregoing prices, also an extra Share is included in prices of all Plows fitted with Cast Shares. Wheels and Jointers are not included.

WHEELS.

Their use is strongly recommended in wet or mellow ground. Can be furnished for nearly all our patterns. See prices below.

Straight Standard, One-Horse, complete.....$ .75
Brace, Standard, Two-Horse, complete..... 1.00
Standards, One-Horse, straight..... .40
Standards, Two-Horse, all kinds..... .50
Wheels, only, One-Horse..... .40
Wheels, only, Two-Horse.....$ .50
Hubs..... .10
Centre Pins or Hub Bolts..... .05
Wheel Caps or Sand Bands..... .05

NOTE.—In ordering Wheels, say if for Right Hand or Left Hand Wood or Steel Beam Plows.

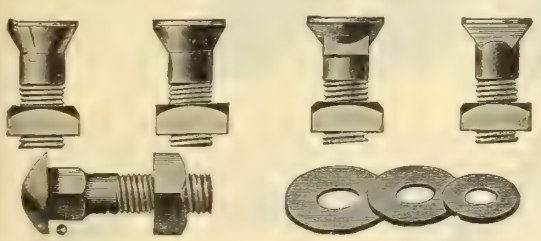
JOINTERS.

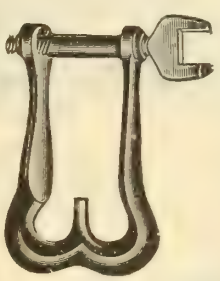
Decidedly the most important of all Plow attachments, and can be used on most of our Plows. The plowman who once uses a Jointer will never want to do without it.

No. D, Chilled, for One-Horse Plows.....$1.50
" 140 Chilled for Nos. 120, 125 and 140 Plows..... 2.00
" 2 for Two and Three-Horse Plows..... 2.00
Jointer Points, Chilled, all numbers..... .15
Jointer Mouldboards.....$ .35
One-Horse Jointer Holders..... .75
Two-Horse Jointer Holders..... 1.00
One-Horse Jointer Standards..... .50
Two-Horse Jointer Standards..... .50

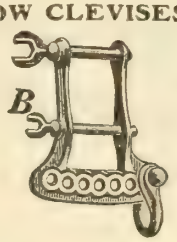
NOTE.—In ordering say whether for Wood or Steel Beam, Right or Left Hand Plows.

Plow, Machine and Carriage Bolts and Nuts





PLOW CLEVISES.



A.....20 cents.
B..... 30 "
D.....50 "

Extras furnished for most of the other Chilled and Cast Plows used throughout this section, including South Bend, Roland, Syracuse, Bissell, Wiard, etc. Also keep on hand full stock of Clevises for Minor & Horton, Farmers' Friend, Girl Champion, Boy Dixie and other Southern Cast Plows, and a full supply of Plow, Cultivator and Machine bolts.

CAST PLOWS.

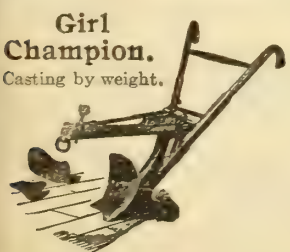
Minor & Horton High Standard Plows.

No. 18	$2.50	No. 19	$3.25
No. 18½	2.75	No. 19½	4.00

Plain Casting per lb.

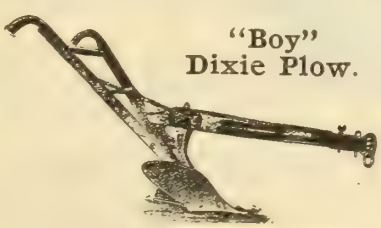
Girl Champion.

Casting by weight.

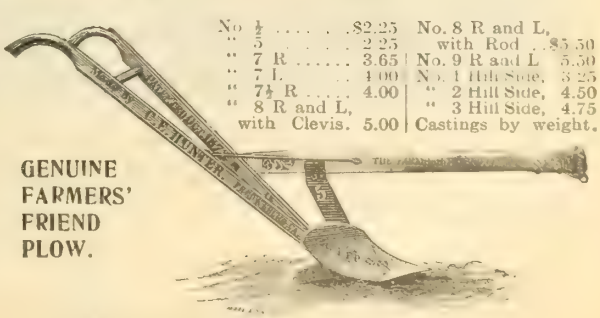


No. "Girl".....$3.00
" A..... 3.25
" AA..... 3.50

"Boy" Dixie Plow.



"Boy" Dixie.....$1.50
No. X..... 1.75
" I..... 2.00
" II..... 3.50



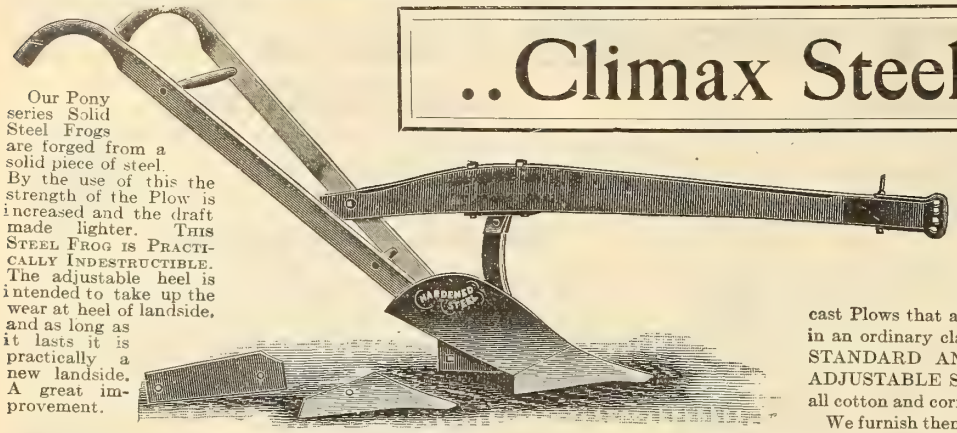
GENUINE FARMERS' FRIEND PLOW.

No ½.....$2.25
" 5..... 2.25
" 7 R..... 3.65
" 7 L..... 4.00
" 7½ R..... 4.00
" 8 R and L, with Clevis. 5.00

No. 8 R and L, with Rod..$5.50
No. 9 R and L 5.50
No. 1 Hill Side, 3.25
" 2 Hill Side, 4.50
" 3 Hill Side, 4.75
Castings by weight.

GRIFFITH & TURNER CO.

..Climax Steel Plows..



Our Pony series Solid Steel Frogs are forged from a solid piece of steel. By the use of this the strength of the Plow is increased and the draft made lighter. THIS STEEL FROG IS PRACTICALLY INDESTRUCTIBLE. The adjustable heel is intended to take up the wear at heel of landside, and as long as it lasts it is practically a new landside. A great improvement.

THESE Plows have a wide reputation for superiority in quality and finish, and for lightness, because steel, being tougher than cast iron, can be made thinner. They take on a much higher degree of earth polish than is ordinarily found in cast Plows that are not chilled, and consequently will scour in an ordinary clay soil. They are all made with STEEL STANDARD AND CAP, SLOPING LANDSIDE AND ADJUSTABLE SLIP HEEL, and will do superior work in all cotton and corn lands.

We furnish them in the following numbers and sizes:

Pony—Light one-horse, 7-inch cut, wood beam. Very popular. Price, with extra steel point..... $2.50

A. O.—One-horse, 8-inch cut, wood beam. Price, with extra steel point..... 3.00

B. O.—One-horse or light two-horse, 9-inch cut, wood beam. Designed for either stubble or light sod, doing both kinds of work in the most satisfactory manner. Very light draft. Price, with extra steel point..... 3.25

C. O.—Two-horse, 10-inch cut, wood beam. Price, with extra steel point..... 5.00

D. O.—Two-horse, 11-inch cut, wood beam. It turns its furrow slice perfectly. Price, with extra steel point..... 6.25

CLIMAX EXTRAS.	Points.	Lands.	Moulds.	Beams, with Clevis.	Handles per pair less bolts.	Wood beam Clevis.
Pony	$.28	$.15	$.50	$.75	$.56	$.15
A. O.	.37	.17	.66	.75	.56	.15
B. O.	.45	.17	.76	.90	.56	.20
C. O.	.56	.22	1.04	1.52	.70	.36
D. O.	.68	.22	1.20	1.56	.70	.36

Cast Plows. ⚜ The Hampton Plows.

Hampton No. 1 C or Jersey & Attachments.

HAS adjustable handles, beam and brace rod. Extras are ground. There are several improvements on this implement. We confidently offer it now as one of the best truck Plows made, and with the several attachments that go with it the farmer may feel that little more is to be desired for the plowing and proper cultivation of all his crops First-class work can be done on all kinds of soil. One of the strongest features is its length of landside, causing it to run perfectly level. The beam is provided with both a vertical and lateral adjustment, which is easily effected, as there are no mortices in the beam. All repairs are polished, which prevents sticking and insures easy running.

Find below description of repairs and extra attachments:

With every Hampton No. 1 C Plow is sent 3 extra moulds and one extra share and wrench, as follows:

No. 1 B, Fig. 3 in cut—A regular one-horse mould board used on all regular No. 1 Plows.

Cabbage, Fig. 2 in cut, smaller than No. 1 B—Particularly adapted to the second cultivation of ALL CROPS.

Truck, Fig. 1 in cut—A small mould board suitable for the early cultivation of all truck.

No. 1 C—Illustrated on Plow is a large one-horse mould board turning a strong furrow.

All of the above are included in the price..... $4.00

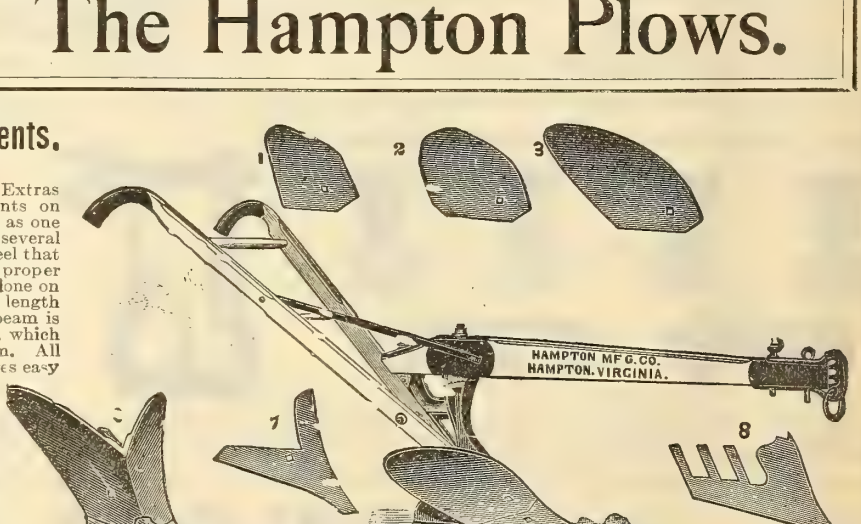
The following attachments are sold extra:

The double mould board and point (Fig. 6 in cut) is used for opening furrows and hilling up, and can be attached to the standard by removing the point and mould board. The sweep point is same as No. 8, but without the fingers. A splendid weeder.

Fig. 7 in cut is a cutter or sod land point. Very popular.

Fig. 8 in cut is a potato digging attachment. Very effective for the purpose.

LIBERAL DISCOUNT TO THE TRADE.



SIZES AND PRICES OF PLOWS.

HAMPTON BOY.

Similar in size and shape to Boy Dixie and Boy Clipper, but has a higher standard, which makes it less liable to choke. Its beam adjustment is simple and complete. It can be quickly changed from a light truck Plow to a medium, and even a large one-horse Plow, by using the large moulds. Scraper and Potato Points are also fitted to this Plow, thus covering almost every detail of farm work. The wood work is handsomely painted, lettered and varnished.

Price with truck mould board, wrench and point..... $2.50

HAMPTON No. 1 REGULAR.

This style is similar to the Boy, but larger. Attachments are: truck mould board, point and wrench.

Price complete..... $3.00

HAMPTON No. 5.

This is a medium two-horse Plow, very light draft, and scours thoroughly. Front wheel and jointers furnished when desired, extra. Price, plain Plow..... $5.75

LIBERAL DISCOUNT TO THE TRADE.

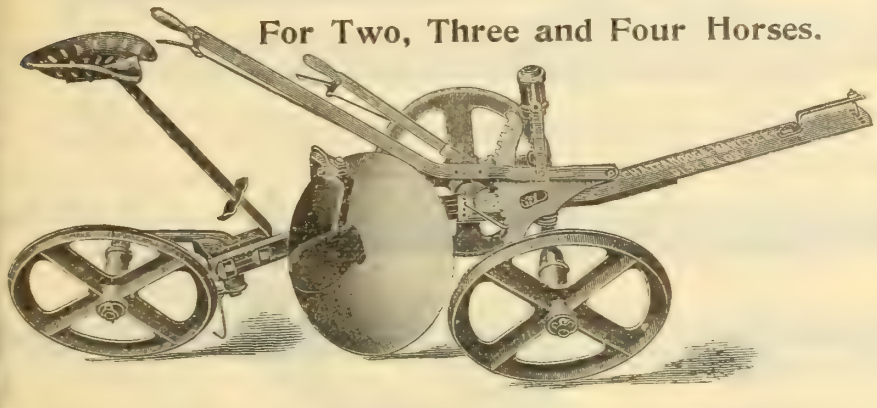
Casting on all Hampton Plows.....Price, plain, 4c.; polished, 5c.

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE.

CHATTANOOGA-HANCOCK

THE LATEST IMPROVED DISC PLOW.

For Two, Three and Four Horses.



IT handles more cubic inches of soil with less draft than any other Plow made; it turns under stalks, trash and weeds completely; it breaks up "hard pan" and pulverizes the soil.

It leaves the ground at bottom of furrow porous and natural; it prepares the soil to withstand either a wet or dry season; it insures better crops than any other method of plowing.

It is so simple in design, so few in parts, and so perfect in construction that anyone can operate it.

It is not a sod plow; it is a pulverizer. You cannot pulverize sod. Everywhere else it is all right.

The first cut shows the SINGLE DISC; the second, the DOUBLE DISC.

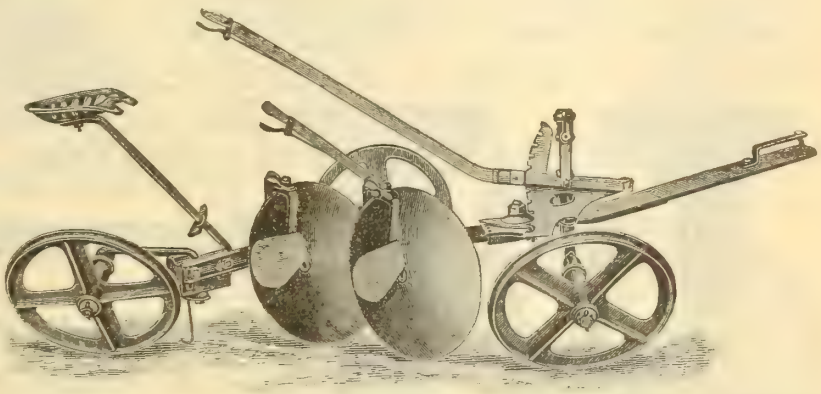
Single Disc, with Double and Triple Trees, $40.00
Double Disc, Double and Triple Trees... 56.50

Weight, Single Disc..... 600 lbs.
Weight, Double Disc..... 725 lbs.

Heretofore Disc Plows have only been successful in either very hard or sticky land. They have lacked essential features to make them popular or valuable to the average farmer. Improvements have been added to the Hancock Disc Plow, and we now offer it on its merits.

They are made on the same frame and act on the same principle and what is said about the Single Disc pertains to the other. It is only a matter of number of horses. If 100 lbs. be added to the draft of the Single it will cover the Double. It will be seen the difference in draft is comparatively slight.

We guarantee our Disc Plow to do good work, not only in hard, dry and sticky ground, but to do good work in any fallow ground, either clean or trashy; in short, to be good anywhere, at any time, and when plowing can be done.



We guarantee against breakage, for twelve months, caused by defects in material or workmanship. **We found it impossible to fill the demand last Autumn, and have taken a number of orders for Spring delivery. Customers desiring these Plows will do well to place their orders as far in advance as possible.**

Full directions come with each Plow, so simple that any farmer with ordinary intelligence need have no trouble.

Disc Plow Extras.

In ordering extras always be sure to give name or number, or send the piece to be duplicated or a correct drawing. Attention to this *seemingly* small matter will avoid delay.

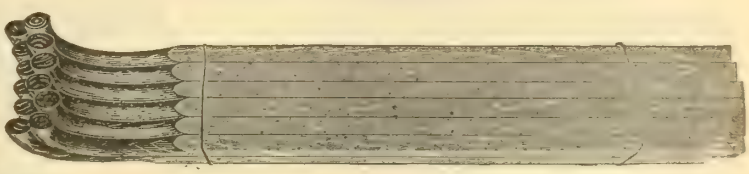
PRICES.

Nos. 1 and 2 Discs	$3.00 each
Scraper Blade	.50 "
Scraper complete	1.00 "
No. D 116 Scraper Standard	.50 "
" D 119 Scraper Arm	.50 "
" D 132 L. H. Lever complete	1.50 "
" D 142 R. H. Lever complete	1.50 "
" D 134 R. H. Lever complete	1.50 "
Disc Bolt with Nut	.25 "
No. D 113 Disc Bolt Nut	.10 "
Disc Box Bolt	.10 "
No. D 101 Disc Box	1.50 "
" D 102 Disc Holder or Journal	1.50 "
" D 143 Tongue Bracket, 1901 style	1.00 "
" D 144 R. H. Quadrant, 1901 style	1.00 "
" D 130 Hub Washer, outside	.10 "
" D 127 Wedge	.25 "
" D 137 Malleable Wrench	.15 "
" D 138 Malleable Wrench	.25 "

Other extras not named on this list can be furnished on application. Do not keep them in stock.

PLOW HANDLES.

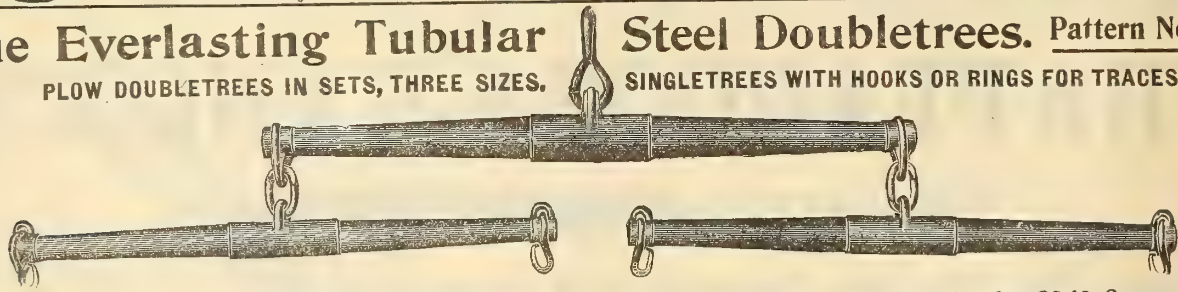
NOT FINISHED.



1½ x 2 inches, 5 feet long, per pair	25c.
1½ x 2½ inches, 5 feet long, per pair	30c.
1½ x 2½ inches, 5½ feet long, per pair	35c.
1½ x 2½ inches, 6 feet long, per pair	40c.
1½ x 2½ inches, 7 feet long, per pair	45c.
1½ x 2½ inches, 5 feet long, per pair	45c.
1½ x 2½ inches, 5½ feet long	50c.

The Everlasting Tubular Steel Doubletrees. Pattern No. 90.

PLOW DOUBLETREES IN SETS, THREE SIZES. SINGLETREES WITH HOOKS OR RINGS FOR TRACES.



No. 0—For light plowing in moss soil, length 33 inches and 28 inches, fac. list, doz. sets, $36.00
Our special price, per set.......$3.00

No 1—For regular plowing in clay soil, length 36 inches and 30 inches, fac. list, doz. sets, $39.00
Our special price, per set.......$3.25

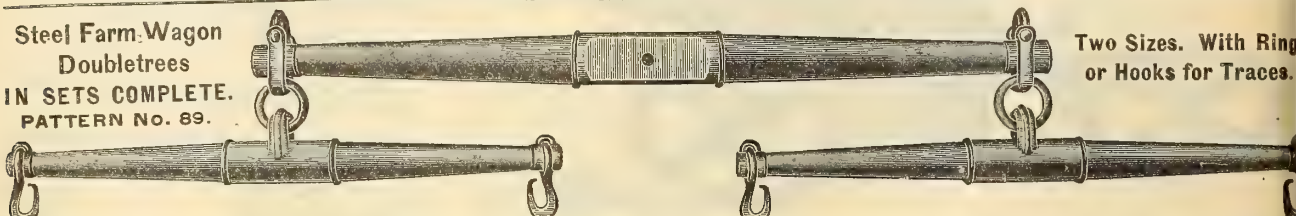
No. 2—For extra heavy plowing, street making, etc., length 36 to 38 inches and 30 to 32 inches, fac. list, doz. sets, $51.00.
Our special price, per set.......$4.25

SINGLETREES FOR ABOVE, PAT. No. 92.
24 inches, fac. list, doz., $8.00 Our special price, 67c. each.
26 inches, fac. list, doz., $8.40. Our special price 70c. each.
28 inches, fac. list, doz., $8.70. Our special price 73c. each.
30 inches, fac. list, doz., $10.00. Our special price 84c. each.
32 inches, fac. list, doz., $14.00. Our special pric $1.20 each.

Steel Farm Wagon Doubletrees IN SETS COMPLETE.

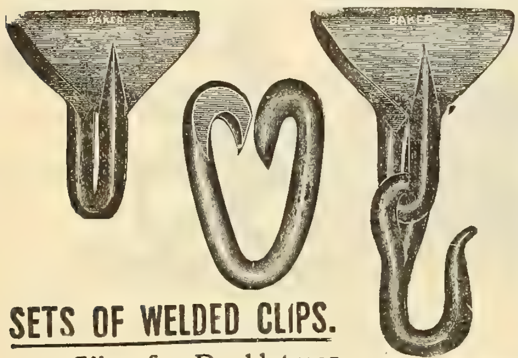
PATTERN No. 89.

Two Sizes. With Ring or Hooks for Traces.



No. 2 capacity, 4,000 pounds; evener, 46 to 48 inches; Singletrees, 33 to 34 inches, fac. list, doz. sets, $63.00 Our special price, per set, $5.25
No. 3, capacity, 7,000 pounds; evener, 43 to 45 inches; Singletrees, 34 to 37 inches, fac. list, doz. sets, $72.00. Our special price, per set, $6.00

SINGLETREES FOR ABOVE, PATTERN No. 85.—THREE SIZES,
No. 1—33 inches, capacity, 1,500 lbs., fac. list, $15.00. Our special pric $1.25 each.
No. 2—33½ inches, capacity, 2,000 lbs., fac. list, $15.60. Our special pri $1.30 each.
No. 3—34 to 36 inches, capacity, 4,000 lbs., fac. list, $20.00. Our speci price, $1.67 each.



SETS OF WELDED CLIPS.

Clips for Doubletrees.

	Set.	Doz. Sets.
Our No. 36, Fac. No. 77—Southern, one ⅝ inch Centre Clip and Hook, welded, with ½ inch hook and two ½ inch End Clips, welded, as used on our 36 inch Southern Doubletrees. List, $3.30	$ .25	$2.50
Our No. 36 and 40, Fac. No. 76—Pennsylvania, one ¾ inch Centre Clip and Hook, welded with ¾ inch hook and two 9-16 inch End Clips, welded, as used on our 36 and 40 inch Heavy Pennsylvania Doubletrees. List, $5.30	.35	3.50

Clips for Singletrees.

	Set.	Doz. Sets.
Our No. 26, Fac. No. 75—One Centre ½ inch Clip, welded, and two ⅜ inch End Clips, welded, with 5-16 inch hooks as used on our 28 inch Singletrees. List, $2.10	$ .15	$1.25
Our No. 30, Fac. No. 74—One Centre 9-16 inch Clip, welded, and two 7-16 inch End Clips, welded, with ⅜ inch hooks as used on our 30 and 32 inch Heavy Singletrees. List, $3.00	.20	2.00
Our No. 34, Fac. No. 73—One Centre ⅝ inch Clip, welded, and two 7-16 inch End Clips, welded, with ⅜ inch hooks as used on our 34 and 36 inch Heavy Singletrees. List, $3.20	.25	2.25

CHAIN REPAIR LINKS.

10-2 ....15c. doz.
10-1 ....20c. doz.

SIDE OPEN LAP LINKS.

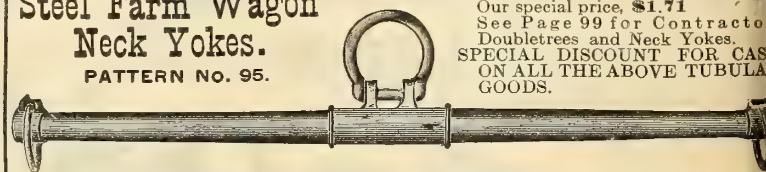
½ x 2½ ....8c. each.
⅝ x 2½ ....9c. each.
⅝ x 3 ....10c. each.

OVAL LAP OR OPEN RINGS.

⅜ x 2½ ....8c. each.
½ x 2½ ....9c. each.
⅝ x 3 ....10c. each.

Steel Farm Wagon Neck Yokes.

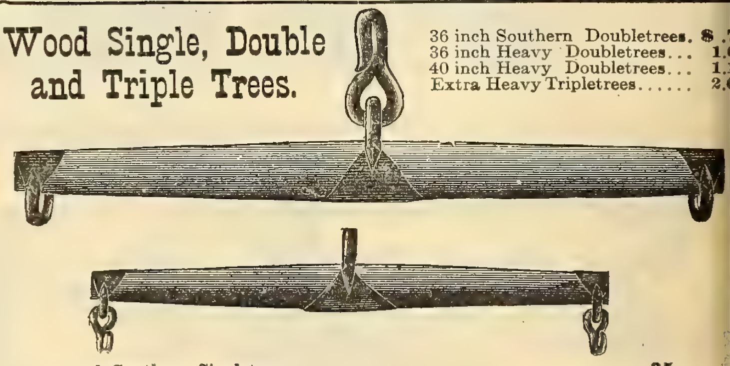
PATTERN No. 95.



No. 3, 40 inches, fac. list, $20.5
Our special price, $1.71
See Page 99 for Contractor Doubletrees and Neck Yokes.
SPECIAL DISCOUNT FOR CAS ON ALL THE ABOVE TUBULA GOODS.

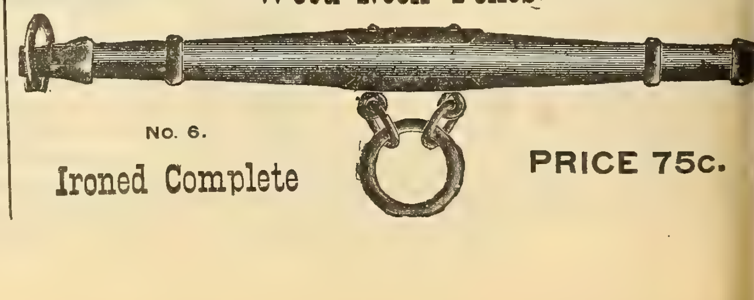
Wood Single, Double and Triple Trees.

36 inch Southern Doubletrees. $ .7
36 inch Heavy Doubletrees... 1.0
40 inch Heavy Doubletrees... 1.1
Extra Heavy Tripletrees...... 2.0



26 inch Southern Singletrees....................25c.
28 inch Extra Nailed Singletrees....................40c.
30 inch Heavy Singletrees....................50c.
32 inch Heavy Singletrees....................60c.
34 inch Heavy Singletrees....................60c.
36 inch Heavy Singletrees....................75c.
Wagon Singletrees, 36 inches....................75c. each.

Wood Neck Yokes.



No. 6.

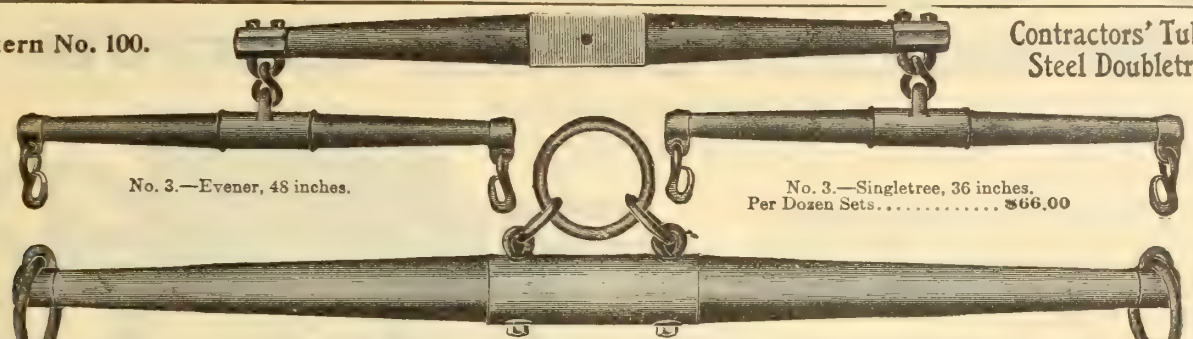
Ironed Complete

PRICE 75c.

GRIFFITH & TURNER CO.

Pattern No. 100.

Contractors' Tubular Steel Doubletree.

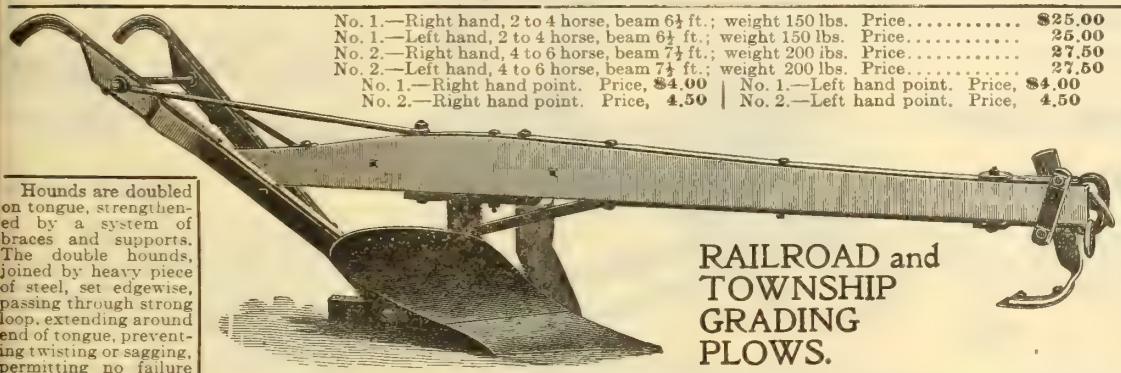


No. 3.—Evener, 48 inches.

No. 3.—Singletree, 36 inches.
Per Dozen Sets..... $66.00

Contractors' Tubular Steel Neck Yokes.—Pattern 101.

No. 2.—Length, 46 inches. Per Dozen.....$23.00



No. 1.—Right hand, 2 to 4 horse, beam 6½ ft.; weight 150 lbs. Price..... $25.00
No. 1.—Left hand, 2 to 4 horse, beam 6½ ft.; weight 150 lbs. Price..... 25.00
No. 2.—Right hand, 4 to 6 horse, beam 7½ ft.; weight 200 lbs. Price..... 27.50
No. 2.—Left hand, 4 to 6 horse, beam 7½ ft.; weight 200 lbs. Price..... 27.50

No. 1.—Right hand point. Price, $4.00 | No. 1.—Left hand point. Price, $4.00
No. 2.—Right hand point. Price, 4.50 | No. 2.—Left hand point. Price, 4.50

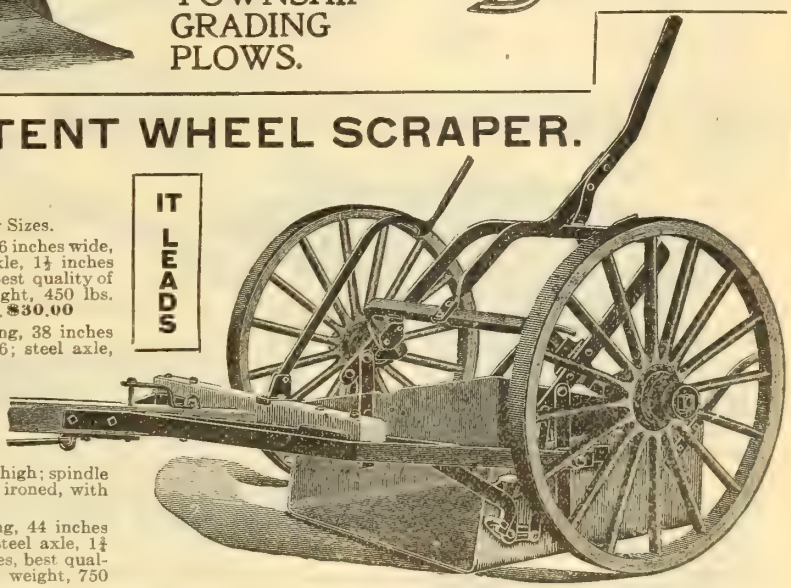
Our Railroad and Township Grading Plows cut narrow and deep furrows, and are of light draft. Strong beams, handles and standards—all parts well braced. Mouldboards, landsides and points made alike and interchangeable Points put on with five-eighths bolt, and easily taken off and replaced. Plows scour well in all kinds of soil.

Hounds are doubled on tongue, strengthened by a system of braces and supports. The double hounds, joined by heavy piece of steel, set edgewise, passing through strong loop, extending around end of tongue, preventing twisting or sagging, permitting no failure of hooks on hounds, catching on adjustable hooks on side of pan when lever is thrown forward for filling. Stationary hooks on hounds are strong and heavy, well braced and securely riveted.

RAILROAD and TOWNSHIP GRADING PLOWS.

HASLUP PATENT WHEEL SCRAPER.

IT LEADS



DESCRIPTION OF SIZES.

Order by Number Only. We Make Four Sizes.

No. 1.—Capacity, 9 cubic feet; size of bowl, 36 inches long, 36 inches wide, 12 inches deep; wheels, 36 inches high; tire, 3 x ¼; steel axle, 1½ inches square, arched high, spindles turned and polished; tongues, best quality of hardwood, heavily ironed, with double steel draft-bars; weight, 450 lbs.
Price $30.00

No. 2.—Capacity, 13 cubic feet; size of bowl, 37 inches long, 38 inches wide, 13½ inches deep; wheels, 40 inches high; tire, 3 x 5-16; steel axle, 1¾ inches square, arched high, spindle turned and polished; tongues, best quality of hardwood, heavily ironed; with double steel draft-bars; weight, 600 lbs.
Price $37.50

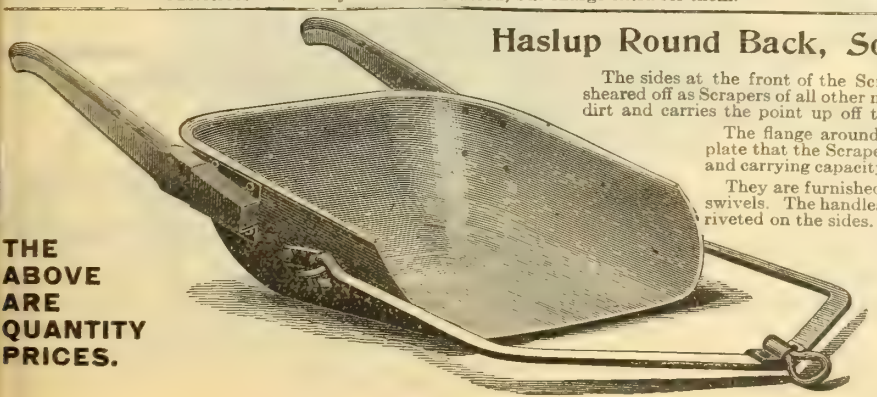
No. 2½.—Capacity, 14½ cubic feet; size of bowl, 41 inches long, 38 inches wide, 14 inches deep; wheels, 44 inches high; tire, 3 x 5-16; steel axles, 1¾ inches square, arched high; spindle turned and polished; tongues, best quality hardwood, heavily ironed, with double steel draft-bars; weight, 675 lbs. Price, $40.00.

No. 3.—Capacity, 17 cubic feet; size of bowl, 41 inches long, 44 inches wide, 16 inches deep; wheel, 44 inches high; tire, 3 x 5-16; steel axle, 1¾ inches square, arched high, spindle turned and polished; tongues, best quality of hardwood, heavily ironed, with double steel draft-bars; weight, 750 lbs. Price, $42.50.

Nos. 2, 2½ and 3 are furnished with heavy wood hub wheels; hubs, spokes and rims made of thoroughly seasoned stock. Sarven or metal wheels are furnished when ordered. Nos. 2½ and 3 wheelers are furnished regularly with snatch rod, and No. 2 when specially ordered.

We can furnish doubletrees and neck-yokes when ordered, but charge extra for them.

Haslup Round Back, Solid Pressed Drag Scraper.



THE ABOVE ARE QUANTITY PRICES.

The sides at the front of the Scraper are carried up on a line with top and are not sheared off as Scrapers of all other makes are. This prohibits the Scraper from wasting dirt and carries the point up off the ground while returning from the dump.

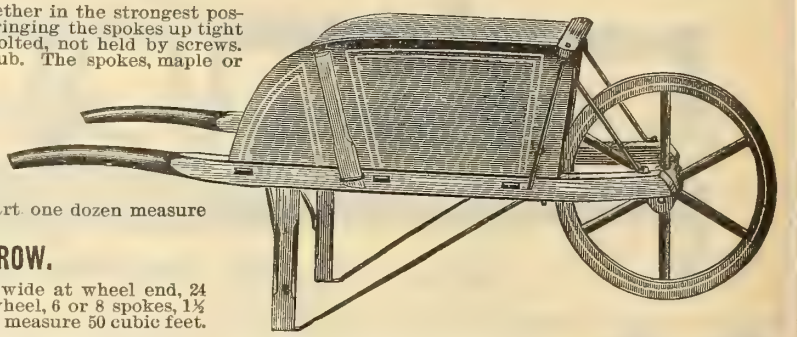
The flange around the back and sides is a continuation of the same plate that the Scraper is made from, and adds very much to its strength and carrying capacity.

They are furnished with our long-tried steel bails and wrought-iron swivels. The handles are sawed tapering and driven into sockets securely riveted on the sides. The runners are made of special quality of hard steel and fastened to the Scraper with deep counter sunk head rivets.

No. 1.—With runners; capacity, 7 cubic feet; weight, 100 lbs.; price $6.25
No. 2.—With runners; capacity, 5 cubic feet; weight, 90 lbs.; price..... 6.00
No. 3.—With runners; capacity, 3½ cubic feet; weight, 80 lbs.; price..... 5.25
For single runners, add to above prices $1.00

Baltimore Garden Barrow.

THE wheels are of wood, with wood hub, and put together in the strongest possible manner. The tire is set by steam pressure, bringing the spokes up tight in every joint. Iron leg braces are thoroughly bolted, not held by screws. The wheels have iron bands shrunk on end of hub. The spokes, maple or beech, shaped, not turned.



No. 4, MEDIUM SIZE or MAN'S BARROW.

Inside measurement of box, 26½ inches long, 18½ inches at wheel end, 23 inches wide at handle end, 12 inches deep. Has 20 inch wheel, 6 or 8 spokes, 1¾ inch tread, ½ inch gudgeon. Painted green or blue. Bottoms matched and glued. Nicely painted and striped. Packed for export one dozen measure 45 cubic feet. Price, $4.00.

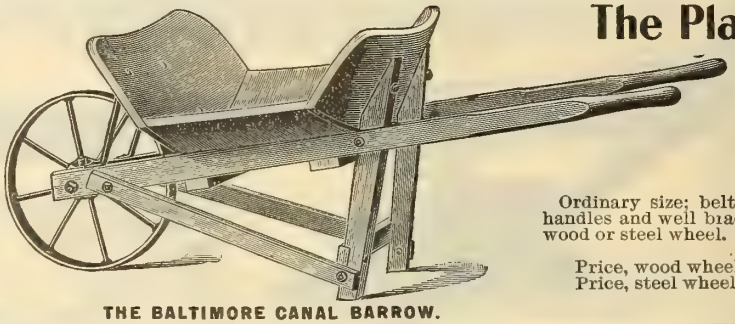
No. 5, LARGE SIZE or MAN'S BARROW.

Inside measurement of box, 28 inches long, 20 inches wide at wheel end, 24 inches wide at handle end, 12 inches deep. Has 22 inch wheel, 6 or 8 spokes, 1½ inch tread, ½ inch gudgeon. Finished as above. Packed, measure 50 cubic feet. Price, $4.50.

The Baltimore Canal Barrows.

Full sized tray, edges shared, bolted to legs, and well bolted and braced in front. Handles and legs of selected hardwood; wheels painted. Furnished in both wood and steel wheel.

Price, wood wheel.....$2.50
Price, steel wheel.....2.75



THE BALTIMORE CANAL BARROW.

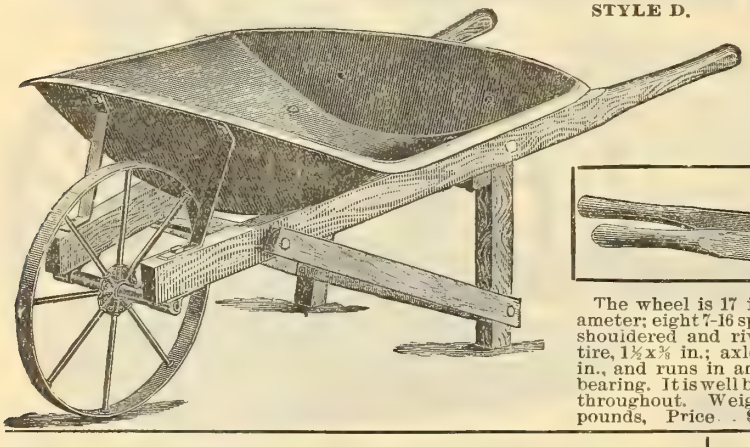
The Plain Bolted Canal Barrows.

Ordinary size; belt tray; legs bolted to handles and well braced. Furnished with wood or steel wheel.

Price, wood wheel.....$2.00
Price, steel wheel.....2.25

WOOD FRAME Solid Pressed STEEL TRAY BARROW

STYLE D.

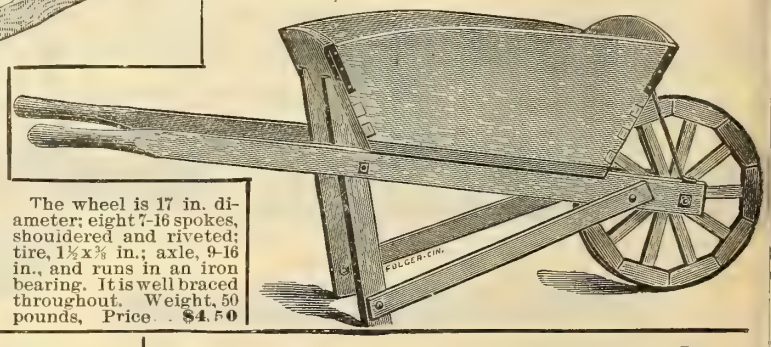


The wheel is 17 in. diameter; eight 7-16 spokes, shouldered and riveted; tire, 1½x⅜ in.; axle, 9-16 in., and runs in an iron bearing. It is well braced throughout. Weight, 50 pounds, Price $4.50

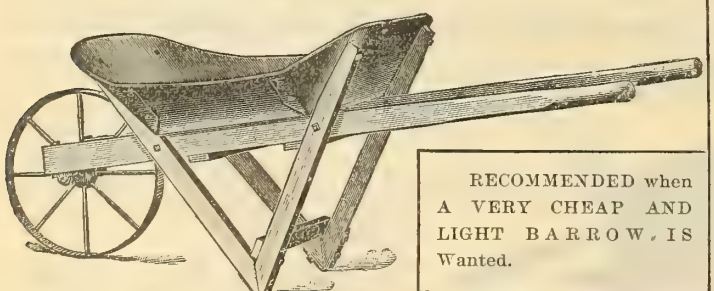
Coal and Mortar Barrow.

Top is iron banded, strongly braced and bolted; has large capacity.

Price, wood wheel.....$3.50
Price, steel wheel.....3.75



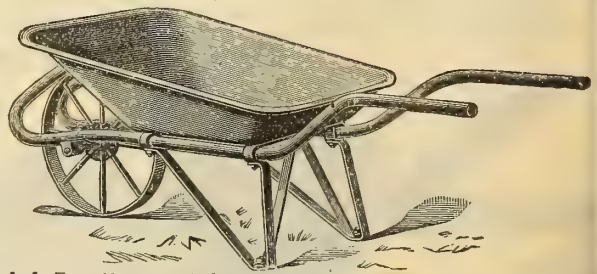
THE SOUTHERN STEEL TRAY.



RECOMMENDED when A VERY CHEAP AND LIGHT BARROW IS Wanted.

Price..... $3.25

Tubular Frame Solid Pressed Steel Tray Barrow.



A 4—Tray 16 gauge, steel; capacity 3 cubic feet; weight 58 pounds; wheel 17 in. diameter; tire, 1½x⅜ in., eight ½ in. spokes, shouldered and riveted axle, ⅝ in. For moving earth, ashes and light work. Price..... $5.50

B 5—Tray, 14 gauge, steel; capacity, 5 cubic feet; weight, 75 pounds mounted on same frame and wheel as A 4. For general purposes and light running. It will stand hard usage. Price..... $6.00

Special Discount for Cash.

GRIFFITH & TURNER CO

TRUCKS AND BARROW.

BALTIMORE STORE TRUCK.

Baltimore Store Truck.

List Price..........$4.00
Retail Price.......... 2.00

New York Pattern.

HALF STRAPPED.

	List Price.	Retail Price.
No. 0...	$ 4.40	$2.65
" 1...	4.60	2.75
" 2...	6.10	3.70
" 3...	8.00	4.80
" 4...	10.00	6.00
" 5...	11.50	6.90

FULL STRAPPED.

	List Price.	Retail Price.
No. 0...	$ 5.15	$3.10
" 1...	5.35	3.25
" 2...	7.10	4.25
" 3...	9.00	5.40
" 4...	11.00	6.60
" 5...	13.50	8.10

NEW YORK PATTERN.

NEW YORK PATTERN.—SIZES.

	Length Handles.	Width. Nose.	Width at Upper bar.	Diameter Wheels.	Weight.
No. 1..	4′ 0″	12½″	18 ″	8 ″	42 lbs.
" 2..	4′ 5″	14 ″	19½″	9½″	44 "
" 3	4′ 8″	15 ″	21 ″	9½″	72 "
" 4 .	5′ 0″	16 ″	22½″	11 ″	85 "
" 5.	5′ 3″	17 ″	24 ″	11 ″	90 "
" 6 .	5′ 9″	20 ″	23½″	12 ″	125 "

Cotton Trucks.

	List.	Retail.
No. 3	$ 9.00	$5.40
" 4	11.00	6.60
" 5	13.50	8.10

	Length of Handles.	Width of Nose.	Width at Upper bar.	Diam. of Wheels.	Weight in Pounds.
No. 3........	4′ 10″	15½″	21 ″	9½″	74
" 4........	5′ 0″	16 ″	23 ″	11 ″	104
" 5........	5′ 3″	18 ″	22 ″	10 ″	95
" 6........	5′ 9″	20 ″	23½″	12 ″	125

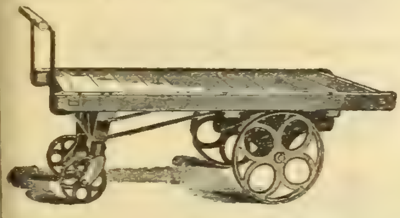
New York Barrel Trucks.

	List.	Retail.
No. 1	$ 7.00	$4.25
" 2	9.00	5.40
" 3	10.50	6.30
" 4	12.50	7.50
" 5	15.00	9.00

	Length of Handles.	Width of Nose.	Width at Upper bar.	Diam. of Wheels.	Weight in Pounds.
No. 1........	4′ 0″	12″	17½″	7 ″	42
" 2	4′ 6″	14″	18½″	8 ″	53
" 3	4′ 7″	15″	20½″	9 ″	76
" 4........	5′ 0″	16″	21 ″	9½″	95
" 5........	5′ 3″	18″	22 ″	10 ″	125

DIMENSIONS AND PRICES CAST-IRON TRUCK WHEELS.

	Pounds. Weight.	Height Inches.	Face Inches.	Hub Inches.	Bore Inches.	Retail Price Each.	List.
No. 0	4½	6½	1½	2¼	¾x⅞	$ .30	$ .54
No. 1 and 2	7¼	8	2	2⅞	¾x⅞	.55	.87
No. 3	12¾	9½	2½	3¼	⅞x1	.90	1.52
No. 4 and 5	17½	11	3	3¾	1x1⅛	1.23	2.10
Heavy	25	12	3	3¾	1x1⅛	1.75	3.00



Improved Four-Wheel Platform Truck.

For Canning House, Railroad Stations and Warehouse. Cheap, strong and well made.

Size. Platform.	Diam. Wheels.	Diam. Castor.	Weight.	List.	Retail.
No. 1—2x4 feet.	12 in.	6 in.	120 lbs.	$25.00	$15.00
" 21—3x5 feet.	18 in.	9 in.	200 lbs.	35.25	21.15

Plain Platform Truck.

Size of Platform.	Weight.	Diam. Wheels.	List.	Retail.
No. 82—2 ft. 4 in. by 3 ft. 4 in.	100 lbs.	7½ in.	$14.00	$ 8.40
" 83—2 ft. 6 in. by 3 ft. 6 in.	115 lbs.	7½ in.	15.00	9.00
" 84—3 ft. by 4 ft.........	125 lbs.	8½ in.	17.00	10.25

We are prepared to quote special prices on Trucks of every description. If you want anything special write us for prices.

CAN FURNISH SPECIAL TRUCKS AT LOWEST POSSIBLE PRICES. ALSO TRUCK WHEELS.

Prices on application.

Solid Pressed Steel Tray Coal and Coke Barrow No. 10

One-piece tubular steel frame extending around in front of wheel. Frame strongly braced and well ironed. Tray of best quality steel, with wired edge. Size No. 10—Gauge of steel in tray, 13; length of top of tray, 41½ inches; width of top of tray, 33 inches; depth at wheel, 12 inches; depth at handle, 6 inches; capacity, 6 cubic feet; weight, 110 lbs.

Price $9.50

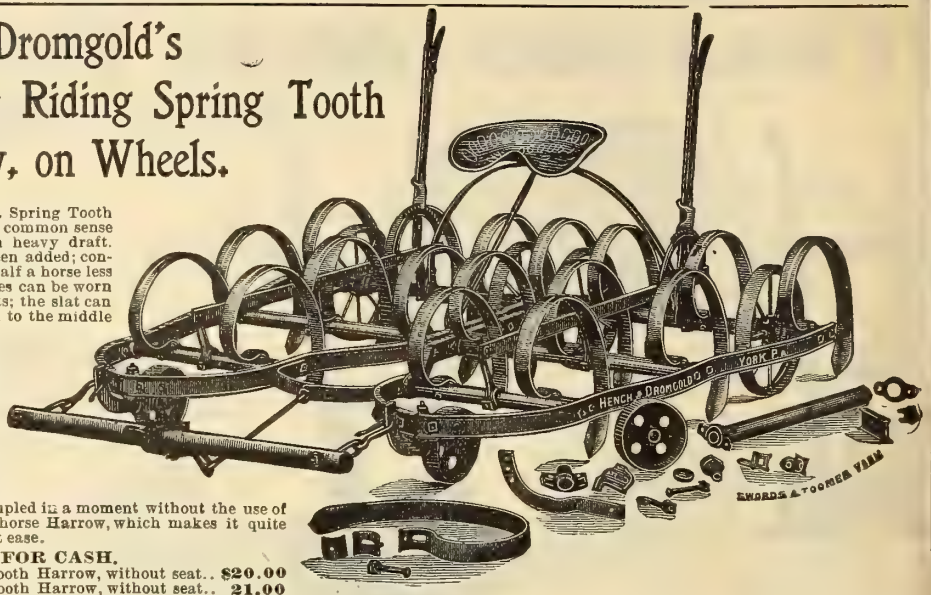
Triangular Box Truck.

Strongly made; used for moving barrels, cases, tubs, etc. Runs extremely easy owing to mounting, which consists of three anti-friction castors. Turns easily under heavy load. Length of sides, 20 inches.

Price, each ...$2.00

GRIFFITH & TURNER CO.

Hench & Dromgold's Improved Walking or Riding Spring Tooth Lever Harrow, on Wheels.



IT is an established fact that land prepared by a Spring Tooth Harrow for wheat is the most acceptable and common sense method, but the complaint of some has been heavy draft. Now, to meet that objection, a set of wheels has been added; consequently the draft has been lessened almost one-half a horse less than on the float spring tooth Harrow; fifteen inches can be worn off the teeth by the use of the lever and the ratchets; the slat can be removed in a second; the lever can be attached to the middle rollers, if so desired, when used altogether for riding, and the wheels, when the teeth are set the desired depth, prevent its going deeper than required by the operator, and consequently it cuts the same depth in case hard or soft ground is encountered alternately. The front wheels are pivoted and the evener is attached to the pivoted wheels, so that the Harrow will draw at ease after the horses, causing it to draw straight, each tooth cutting its own course or way. It is also admirably adapted to putting corn land in condition for seeding wheat, as the depth is easily and immediately regulated by the lever. It is pivoted in the centre and can be uncoupled in a moment without the use of bolts or split keys, and can then be used as a one-horse Harrow, which makes it quite convenient, either half being adjusted with perfect ease.

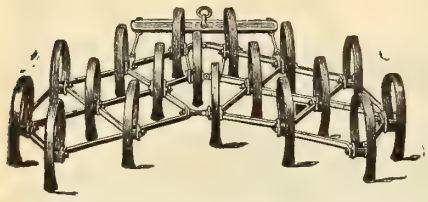
SPECIAL DISCOUNT FOR CASH.

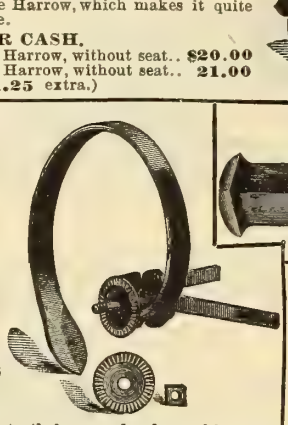
15-Tooth Harrow, without seat..	$18.00	19-Tooth Harrow, without seat..	$20.00
17-Tooth Harrow, without seat..	19.00	21-Tooth Harrow, without seat..	21.00

(If seat is wanted price will be $1.25 extra.)

HENCH & DROMGOLD'S

All Steel Frame Spring Tooth Harrow. ... ...





IN the Ratchet Tooth Holder, as shown in the cut, the tooth is securely clamped between two malleable ratchet clips, which engage with the ratchet frame clip, and is held firmly and securely by one bolt to each tooth, on which it rotates as on a pivot. By this arrangement, if the teeth are worn off or cut off as much as fifteen inches, they can be set to run as deep as when new. It is so hinged that either side can be raised straight up or at right angles, for passing stumps or trees.

SPECIAL DISCOUNT FOR CASH.

14-Tooth Harrow	$12.00
16-Tooth Harrow	13.00
18-Tooth Harrow	14.00
20-Tooth Harrow	15.00
22-Tooth Harrow	16.00

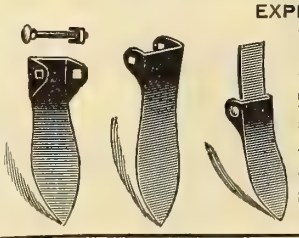
SPIKE HARROW TEETH.

Per pound..... 5c.

WHIPPLE'S

Supplementary Adjustable Harrow Tooth Points ...

OLD HARROWS MADE AS GOOD AS NEW AT SMALL EXPENSE.

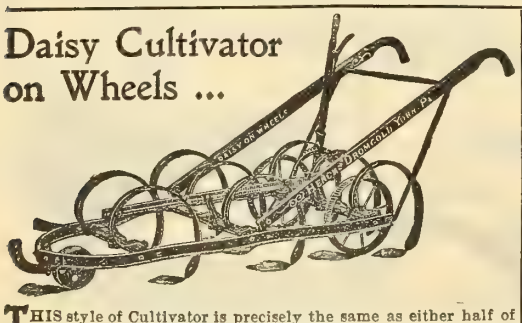


THESE Points are made of a high grade of steel and will outwear the original Points. The ears extend back, and the Point being made of spring metal, allows the ears to be drawn together, clamping the shank firmly, and if the old teeth are out of line, the Points being adjustable, can be lined up, so that every tooth will rest on the ground.

These Points will fit any of the old Spring Teeth on the market.

Price a Point.....10c. each.

Daisy Cultivator on Wheels ...



THIS style of Cultivator is precisely the same as either half of the regular Spring Tooth Wheel Harrow, with the addition of handles. It is an admirable implement for use with one horse in working crops in rows. We can furnish anyone having the regular Harrow a set of handles and braces, and they can be attached to either half. The front wheel is pivoted, and will draw with ease after the horse, causing it to draw straight. The wheels guide it and cause it to run steady, and each tooth will cut its own way. For turning at the ends the teeth can be raised by the use of the lever, and is very easy to operate. The frame is made of "I" Beam steel; the rollers or bars are also of steel, the castings being malleable, and the best steel used in our teeth, make it one of the most durable and complete Cultivators or small Harrows ever offered to the public. We solicit your patronage.

RETAIL PRICE.

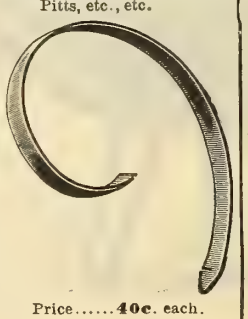
7-Tooth.....	$9.50	10-Tooth	$11.00
8-Tooth.....	10.00	11-Tooth	11.50
9-Tooth.....	10.50		

Spring Harrow Teeth

FOR LEADING HARROWS,

Including ... ...

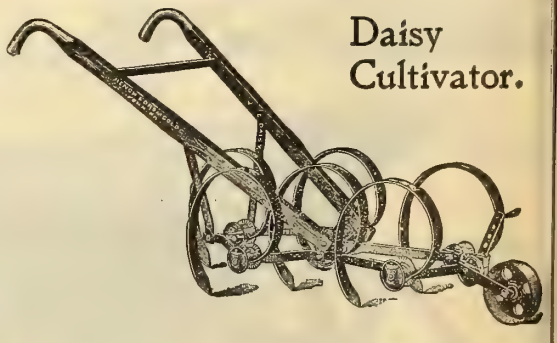
Hench & Dromgold,
Stevens, Perry,
Childs, U. T. K.,
Tiger, Buffalo
Pitts, etc., etc.



Price.....40c. each.

When taken in full sets a special price.

Daisy Cultivator.



THE cut represents the DAISY CULTIVATOR, with handles for use similar to the DAISY ON WHEELS. This Cultivator has the same ratchet holder as will be found on all of this make of Harrows. It is built with 6 or 8 teeth, but can be used with 5, 6, or 8 teeth, as desired. By simply unbolting the two outside teeth of the 6-tooth Cultivator it can be used with 4 teeth, and by taking out the middle tooth on the right-hand side, and setting the rear tooth in the centre, it makes a 5-tooth Cultivator.

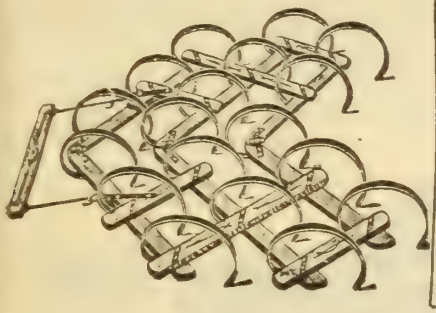
RETAIL PRICE.

Price of 6-Tooth Cultivator, with wheel	$5.50
Price of 8-Tooth Cultivator, with wheel	6.50
Price of 10-Tooth Cultivator, with wheel	7.50

GRIFFITH & TURNER CO.

Wood Frame Harrow.

IRON-CLAD.



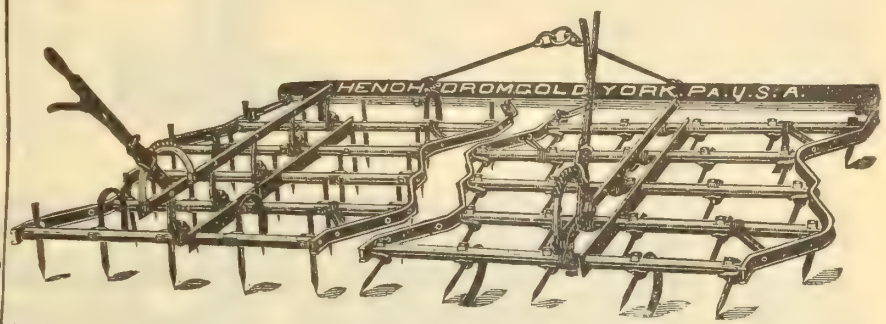
THIS is without doubt one of the best Float Harrows on the market. It is particularly desirable in cloddy ground, as it combines a clod-crusher and spring tooth Harrow, the frame being iron-plated underneath and in front, so that it crushes the clods at the same time the teeth stir up the ground, and the frame prevents it sinking too deep. Bolt heads fully protected. Teeth cannot get loose.

16-Tooth Harrows	$10.00	20-Tooth Harrows	$11.50
18-Tooth Harrows	10.75	22-Tooth Harrows	12.25

SPECIAL DISCOUNT FOR CASH.

Wood Frames only, with regular lining, 16-T, $6.00; 18-T, $6.25; 20-T, $6.50; 22-T, $7.25.

ADJUSTABLE SPIKE TOOTH LEVER HARROW.



50 Tooth, 2 Sections..	$12.00	75 Tooth, 3 Sections..	$18.00
60 Tooth, 2 Sections..	13.25	90 Tooth, 3 Sections..	19.25

100 Tooth, 4 Sections... $23.00

This Harrow has a frame of I beam steel, bars of "U" shaped steel, well braced and securely fastened at each end to the frame. This gives the Harrow a double advantage, strength and rigidity, and as a guard against catching into trees and stumps.

The teeth are of diamond shape steel.

The runners are formed by the curved tooth extension, which are placed so that the Harrow will free itself from trash better and will carry the Harrow more even distance from the ground than any other Harrow on the market.

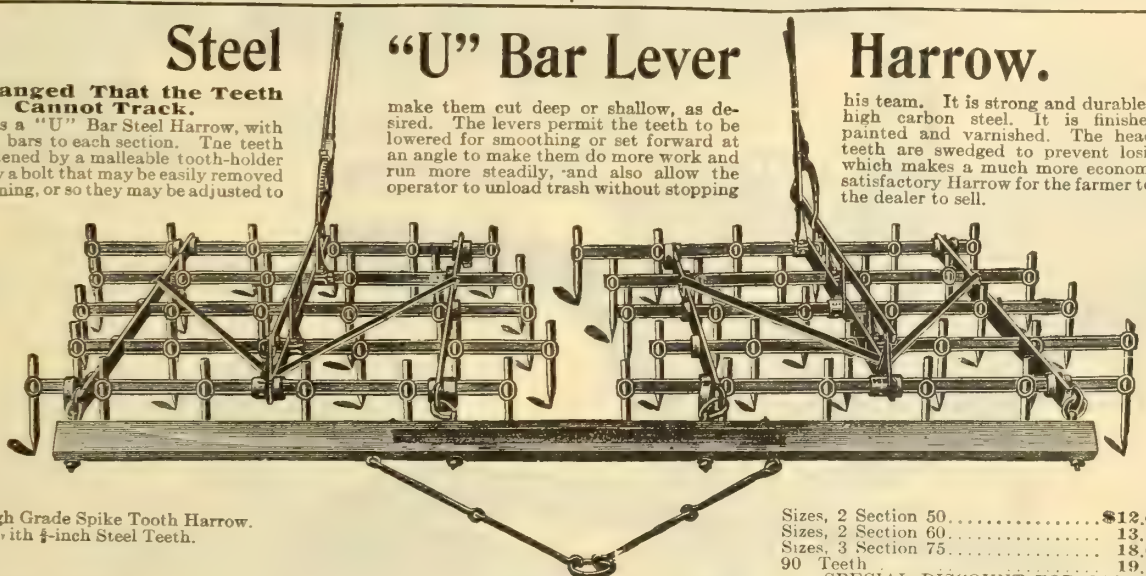
The teeth are held firmly by a welded eye steel bolt through the clip malleable to roller bar, also the end teeth on the roller bars, which locks and holds the frame firmly together.

Each tooth cuts its own course, and can be raised or lowered as desired, and with the lever the teeth can be set to any pitch or cut desired.

Steel "U" Bar Lever Harrow.

So Arranged That the Teeth Cannot Track.

THIS is a "U" Bar Steel Harrow, with five "U" bars to each section. The teeth are so fastened by a malleable tooth-holder secured by a bolt that may be easily removed for sharpening, or so they may be adjusted to make them cut deep or shallow, as desired. The levers permit the teeth to be lowered for smoothing or set forward at an angle to make them do more work and run more steadily, and also allow the operator to unload trash without stopping his team. It is strong and durable; made of high carbon steel. It is finished nicely, painted and varnished. The heads of the teeth are swedged to prevent losing them, which makes a much more economical and satisfactory Harrow for the farmer to own and the dealer to sell.



A High Grade Spike Tooth Harrow. With ¾-inch Steel Teeth.

Sizes, 2 Section 50.....	$12.00
Sizes, 2 Section 60.....	13.25
Sizes, 3 Section 75.....	18.00
90 Teeth	19.25

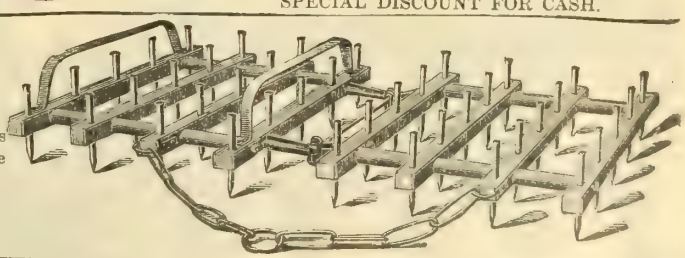
SPECIAL DISCOUNT FOR CASH.

Baltimore Double Hinge Harrow.

THIS is a two-section, wood frame, spiked-tooth Harrow. The runners as seen in the cut, are intended to be used in carrying the Harrow from one field to another.

Price, 40 Tooth, $8.50; 48 Tooth, $9.50.

SPECIAL DISCOUNT FOR CASH.



GARDENER'S HARROW.

THIS Harrow is similar to the Baltimore Double Hinge Harrow, only it is made in one section instead of two. It is designed to be used by one horse. We furnish this Harrow with 30 teeth, which cuts 4 feet 6 inches wide, and with 24 teeth, cutting 3 feet 8 inches wide.

Price, with 24 teeth, $5.00; with 32 teeth, $5.50.

Also furnish the old style A and Double A Harrows at the following prices.

Single "A" with 12 ¾-inch teeth	$ 5.50
Double "A" with 26 ¾-inch teeth.	12.50
Double "A" with 30 ¾-inch teeth	13.50

SPECIAL DISCOUNT FOR CASH.

GRIFFITH & TURNER CO

The Bell's Center-Cut Overlapping Disc Harrow.

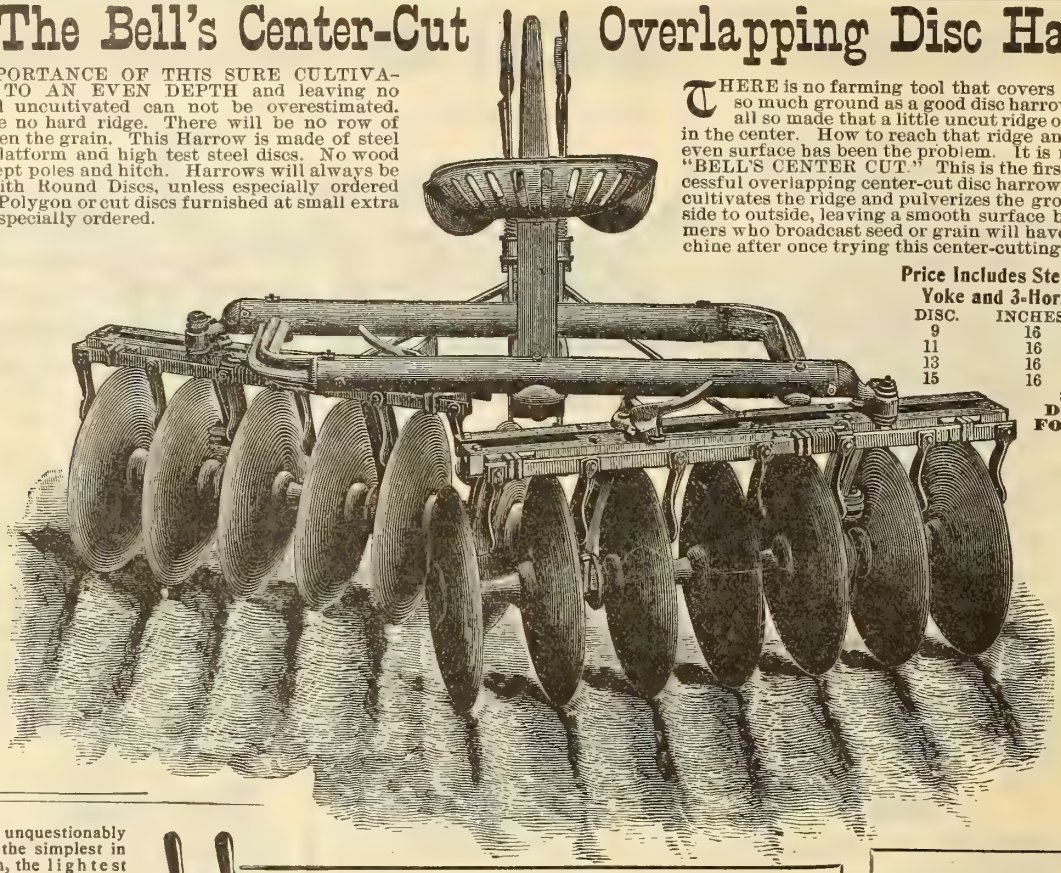
THE IMPORTANCE OF THIS SURE CULTIVATION TO AN EVEN DEPTH and leaving no ground uncultivated can not be overestimated. There will be no hard ridge. There will be no row of weeds between the grain. This Harrow is made of steel angles and platform and high test steel discs. No wood about it except poles and hitch. Harrows will always be furnished with Round Discs, unless especially ordered otherwise. Polygon or cut discs furnished at small extra cost, when especially ordered.

THERE is no farming tool that covers and cultivates so much ground as a good disc harrow, but they are all so made that a little uncut ridge of ground is left in the center. How to reach that ridge and cultivate an even surface has been the problem. It is now solved by "BELL'S CENTER CUT." This is the first and only successful overlapping center-cut disc harrow. This harrow cultivates the ridge and pulverizes the ground from out side to outside, leaving a smooth surface behind it. Farmers who broadcast seed or grain will have no other machine after once trying this center-cutting harrow.

Price Includes Steel Frame Neck Yoke and 3-Horse Eveners.

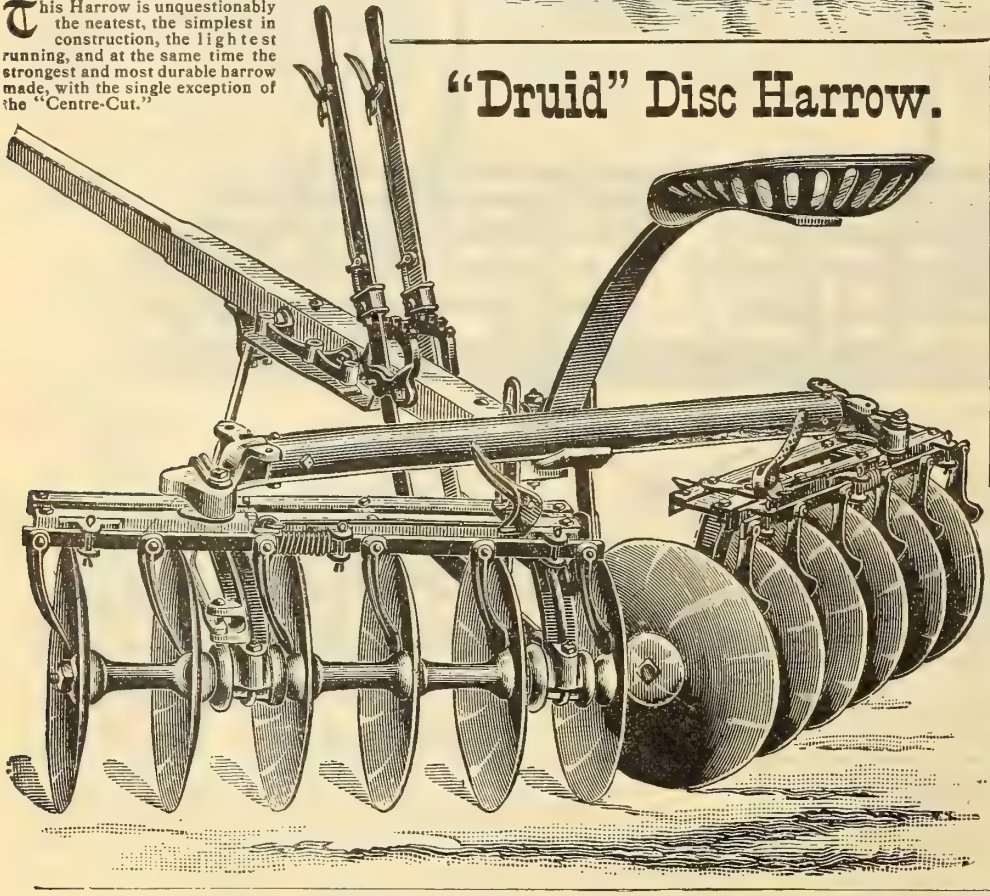
DISC.	INCHES.	PRICE.
9	16	$25.00
11	16	26.50
13	16	28.00
15	16	31.00

SPECIAL DISCOUNT FOR CASH



This Harrow is unquestionably the neatest, the simplest in construction, the lightest running, and at the same time the strongest and most durable harrow made, with the single exception of the "Centre-Cut."

"Druid" Disc Harrow.



THIS Harrow is made of steel angles extra heavy crossbeam of steel tubing. No wood about it but the tongue and the hitch. It has many advantages over the wood frame Harrow and, in addition, will last longer. While almost any disc harrow will do fair work under the most favorable circumstances, only the BEST will stand the test at all times and under all the various conditions of soil. The cut shows the Harrow up in excellent shape, giving the construction in detail, including the most perfect set of gang scrapers made. Furnished with neck yoke and whiffletrees.

No.	Disc.	Inches.	Ft. of Cut.	Price
00	8	16	4	$22.50
0	10	16	5	24.00
1	12	16	6	25.50

Can also furnish a cheaper line of Disc Harrows

Oriole Disc Harrow

The demand among Truckers for a Disc Harrow that will throw the dirt either to or from the centre, has made it necessary for us to offer our ORIOLE, which is constructed in that style. This we carry in the 10 disc size only, and is similar in appearance to the DRUID.

PRICE:
10-16 in. Discs $25.00

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE.

GRIFFITH & TURNER CO

LAWN AND FIELD ROLLERS.

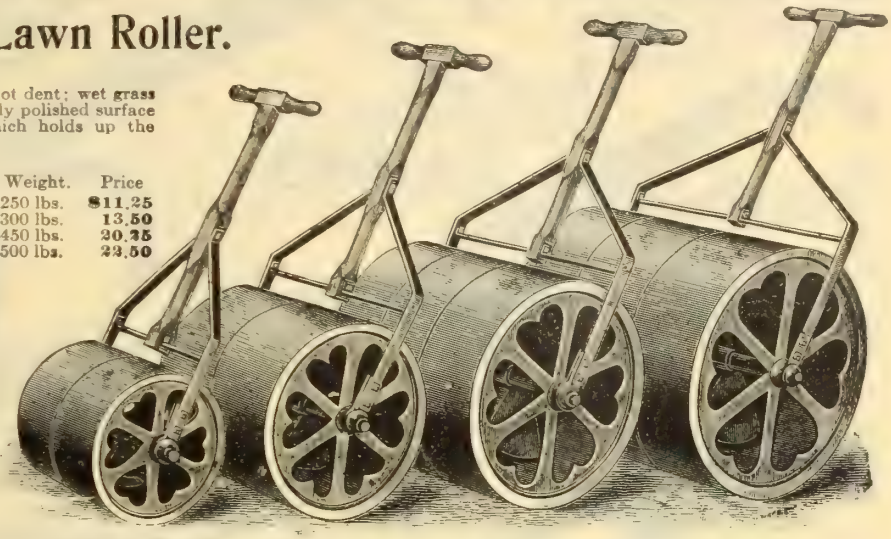
The Baltimore Hand Lawn Roller.

CAST-IRON.

These rollers are specially desirable; they will not dent; wet grass and dirt do not cling to them, owing to their highly polished surface and rivetless ends. Have counter balance, which holds up the handle and makes it easy to push.

No.	No. Sec.	Width Face.	Diam. Sec.	Total Length.	Weight.	Price
4	3	20 in.	20 in.	20 in.	250 lbs.	$11.25
6	3	8 in.	20 in.	24 in.	300 lbs.	13.50
9	3	8 in.	24 in.	24 in.	450 lbs.	20.25
11	3	8 in.	28 in.	24 in.	500 lbs.	23.50

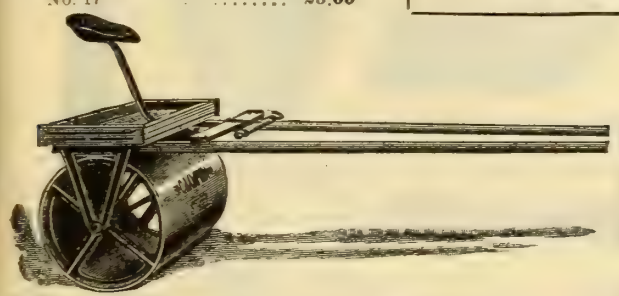
We can furnish above Rollers to weigh 50, 100, or 150 lbs. more than the weights given, for which add 4 cents per lb.



THE BALTIMORE HORSE LAWN ROLLER.

This Roller is furnished with seat. We furnish this Roller in two sizes, Nos. 16 and 17. No. 16 (see cut) has 26-inch steel rim, 4 feet, one section, one horse; weight, 375 pounds. No. 17 has 26-inch steel rim, 4 feet, two sections, one horse; weight, 425 pounds.

No. 16 ..... $21.00
No. 17 ..... 23.00



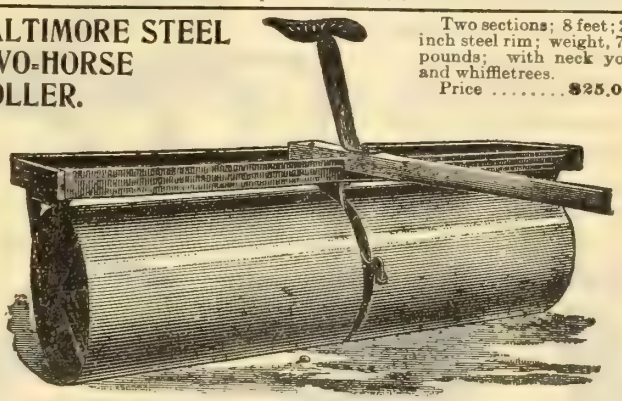
SUPERIOR HAND STEEL ROLLERS.

No.	Section.	Track.	Diameter.	Av. Weight.	Price.
A	1	20 in.	20 in.	250 lbs.	$14.00
C	2	20 in.	20 in.	250 lbs.	15.00
F	2	24 in.	24 in.	400 lbs.	21.00

Sold 10 per cent. off net.

BALTIMORE STEEL TWO-HORSE ROLLER.

Two sections; 8 feet; 26-inch steel rim; weight, 700 pounds; with neck yoke and whiffletrees.
Price $25.00



Baltimore Wood Field Rollers.

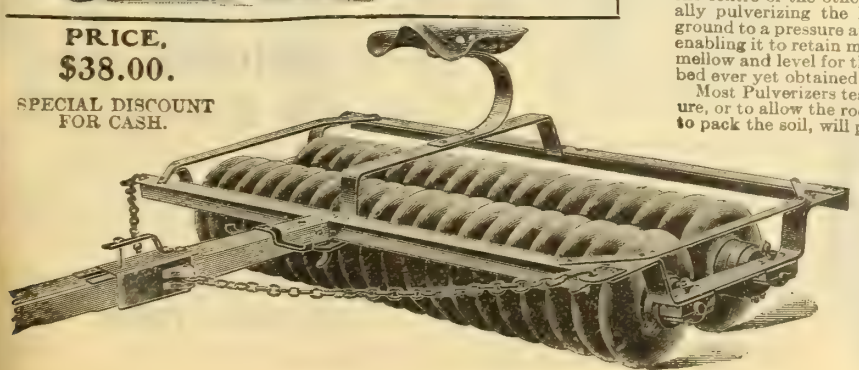
WITH NECK YOKE AND WHIFFLETREES.

$20.00

This Roller is made of all Oak Staves, let into a mortise or groove in casting, and held together by three long bolts, running lengthwise inside of roll to clamp the two castings together, instead of being bolted, as most all Rollers are made. 28 inches diameter, 2 sections, each 3 feet 9 inches. Weight, 700 pounds. Price, $20.00.

PRICE, $38.00.

SPECIAL DISCOUNT FOR CASH.



IMPERIAL PULVERIZER, CLOD CRUSHER, ROLLER AND LEVELER

The "IMPERIAL" is composed of two sets of hollow disc rollers which turn upon a revolving axis, one set being placed directly behind and just in the centre of the other, thereby covering every inch of ground, and effectually pulverizing the hardest clods, and at the same time subjecting the ground to a pressure and packing the soil a couple of inches below the surface, enabling it to retain moisture, and at the same time leaving the surface loose, mellow and level for the reception of the seed, making the most perfect seed-bed ever yet obtained.

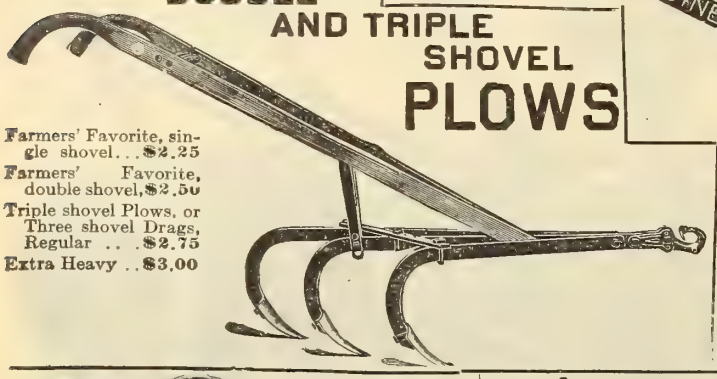
Most Pulverizers tear up the soil and leave it too loose to retain the moisture, or to allow the roots to obtain a firm hold, while others, in their attempt to pack the soil, will press clods beneath the surface, thereby leaving it in a very undesirable condition for the reception of the seed, and, if a harrow is put over the field again, all the clods come to the surface and the field is as rough as ever. The "IMPERIAL" thoroughly pulverizes the hardest clods, while at the same time it presses the soil sufficiently to retain the moisture and form a firm bed for the roots of the grain, etc. To obtain the best results the "IMPERIAL" should be used before and after sowing and can be used on c rn just after it comes up with very good effect. Weight, 800 lbs.

LAWN AND FIELD CAST-IRON ROLLERS.

Full assortment of sizes. Prices on application.

GRIFFITH & TURNER CO.

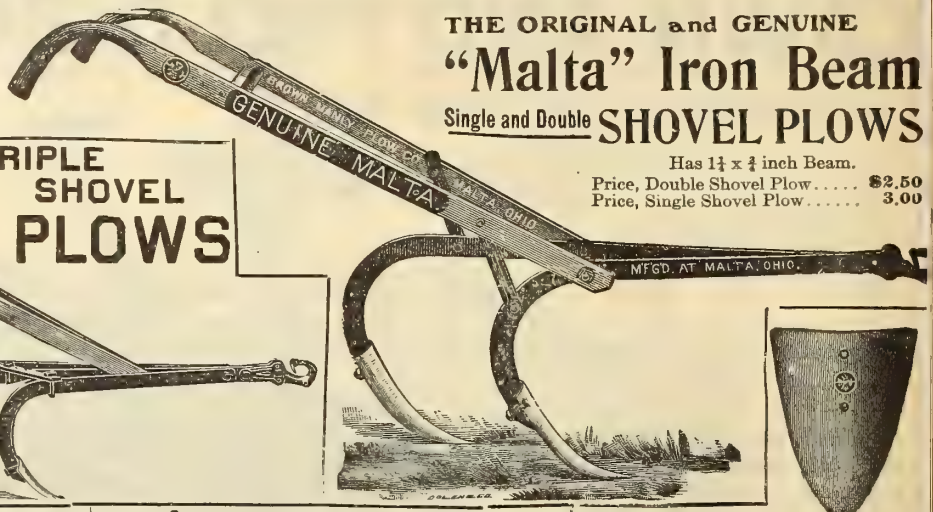
FARMERS' FAVORITE SINGLE, DOUBLE AND TRIPLE SHOVEL PLOWS



Farmers' Favorite, single shovel...$2.25
Farmers' Favorite, double shovel,$2.50
Triple shovel Plows, or Three shovel Drags, Regular ...$2.75
Extra Heavy ..$3.00

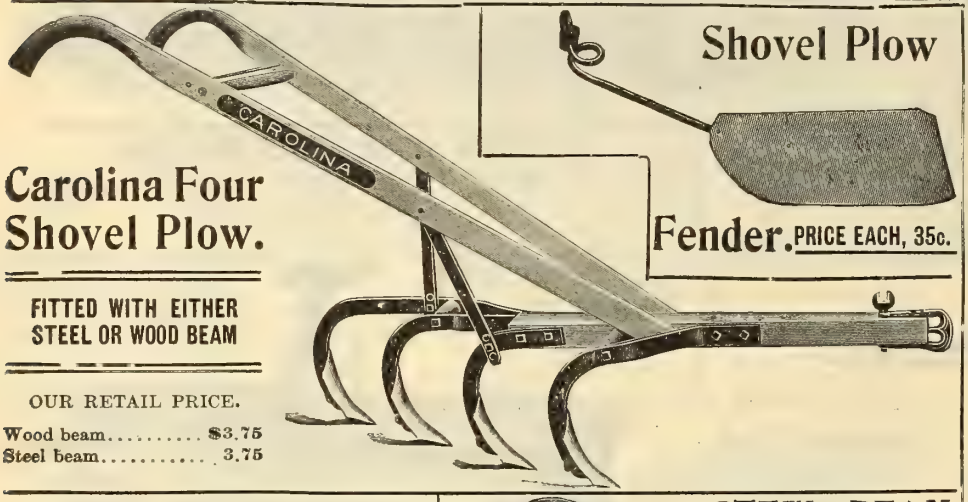
THE ORIGINAL and GENUINE

"Malta" Iron Beam Single and Double SHOVEL PLOWS



Has 1¼ x ¾ inch Beam.
Price, Double Shovel Plow..... $2.50
Price, Single Shovel Plow..... 3.00

Carolina Four Shovel Plow.



FITTED WITH EITHER STEEL OR WOOD BEAM

OUR RETAIL PRICE.

Wood beam..... $3.75
Steel beam..... 3.75

Shovel Plow Fender. PRICE EACH, 35c.

Steels

For Single and Double Shovel Plows.

Full and complete line of polished steels for Single and Double Shovel Plows made in both one and two hole styles

5½ and 6 in. D. S. blades, per pair..45c.
7 in. D. S. blades, per pair.....50c.
8 in. D. S. blades, per pair.....70c.
Bull Tongues, per pair.....40c.
10 in. single shovel blades, each....50c.
12 in. single shovel blades, each....60c.
14 in. single shovel blades, each....70c.
16 in. single shovel blades, each....80c.
Triple Shovel Plates, per set of 3...40c.
Triple Shovel Bull Tongues, per set.35c.
Four Shovel Plow steels, 2 and 2½ in. each..... 8c.
Four Shovel Plow Steels, 3½ in., each ..... 9c.
Four Shovel Plow Steels, 4 in., each,10c.

Steels for Iron Age Riding Cultivators.

HILLING SHOVELS.

91 PRICES OF STEELS.

No. 90, Plates, 1½ inches wide, each.....13c.
No. 91, Plates, 2½ inches wide, each.....14c.
No. 92, Hilling Shovels, per pair.....75c.

STEEL BEAM GEORGIA STOCK No. 1.

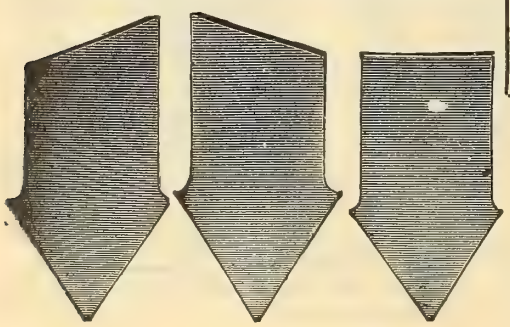
For the purpose of attaching shovel blades or steels of any kind used on Shovel Plows. The beam is made of a plate of steel, formed in the shape of a U bar, the front end being arranged with an adjustable clevis, dispensing with the need of a lap ring. The rear part of the beam forms a steel box for the Plow handles, thus making it impossible to split the handles. Regular Georgia Stock Plow Handles will fit these Plow Stocks.

Price $1.25

Extra Heavy Steel Beam Georgia Stock No. 3.

With adjustable landside and rudder. This Plow Stock has an extra long and very strong beam and heavy foot. The construction of this steel beam makes this the best and strongest Plow Stock on the market. Price, $1.50.

STEELS NOT SHAPED.



FOR MALTA, BROWN AND SIMILAR STYLES WALKING AND RIDING CULTIVATORS

Blades, furnished without holes to be fitted, price each.....35c.
Bull Tongues, same as above, each...30c.
Malta Riding Cultivator Blades, complete, with back and bolts, each...60c.
Malta Riding Cultivator Calf Tongues complete with backs and bolts, each 45c.

SHOVEL PLOW HANDLES.

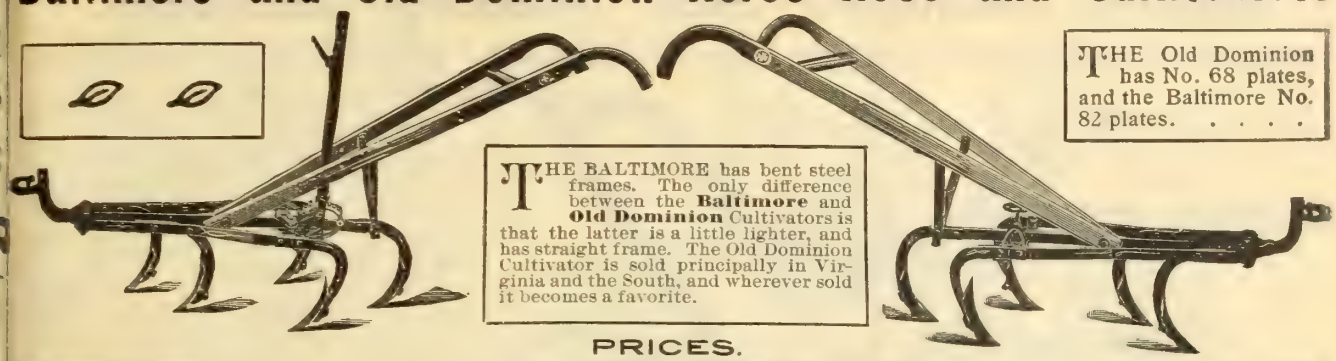
Finished, for Single and Double Shovel Plows, complete with round and rod, per set.....75c.
Finished, without round and rod, per pair. 60c.
Finished and bored, right and left, each...30c.

Four Nut Shovel Plow Spreader Bolts.

For Beams and Handles, each.....25c.

GRIFFITH & TURNER CO

Baltimore and Old Dominion Horse Hoes and Cultivators.



THE Old Dominion has No. 68 plates, and the Baltimore No. 82 plates. . . . .

THE BALTIMORE has bent steel frames. The only difference between the **Baltimore** and **Old Dominion** Cultivators is that the latter is a little lighter, and has straight frame. The Old Dominion Cultivator is sold principally in Virginia and the South, and wherever sold it becomes a favorite.

PRICES.

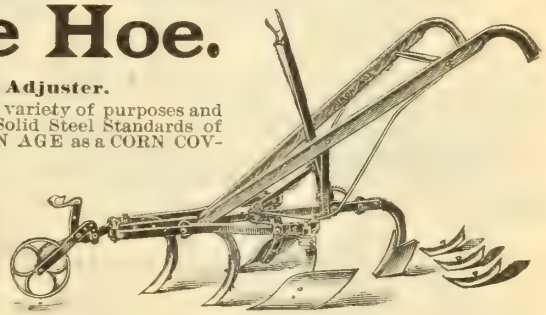
Baltimore Cultivator	$3.00	Old Dominion Cultivator	$2.75
Baltimore Horse Hoe and Cultivator combined, plain	4.00	Old Dominion Cultivator and Horse Hoe, plain	3.75
Baltimore Horse Hoe and Cultivator combined, with wheel	4.50	Old Dominion Cultivator and Horse Hoe, with wheel	4.25

For Lever on Old Dominion or Baltimore, add 60c.

The Iron Age Horse Hoe.

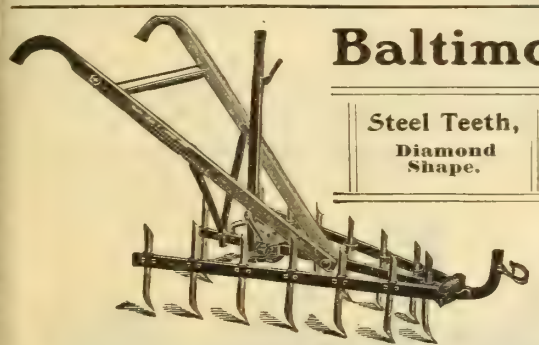
Wheel and Cultivator Combination—with or without Lever Adjuster.

THE IRON AGE is celebrated for solidity of construction, adaptation to a great variety of purposes and ease of handling. The reversible hoes or plows of Horse Hoe are bolted to Solid Steel Standards of their own (not attached to light cultivator standards). The value of the IRON AGE as a CORN COVERER is now well known, also for covering Peas, Potatoes, etc., and for making up rows for root crops it is not surpassed.



PRICES.

Iron Age Cultivator, plain	$3.75
Iron Age Cultivator, with Lever	4.60
Iron Age Horse Hoe and Cultivator, plain	5.00
Iron Age Horse Hoe and Cultivator, with Wheel	5.60
Iron Age Horse Hoe and Cultivator, with Lever and Wheel	6.45
Iron Age Horse Hoe, Cultivator and Corn Coverer combined, plain	6.55
Iron Age Horse Hoe, Cultivator and Corn Coverer combined, with Lever	7.40



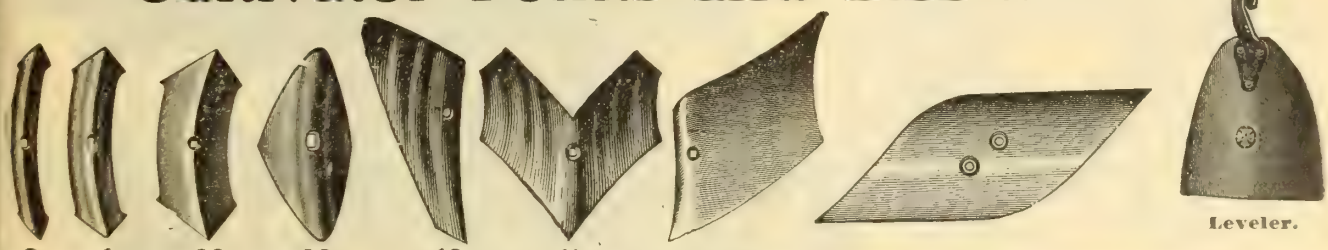
Steel Teeth, Diamond Shape.

Baltimore Combined Harrow and Cultivator.

AN implement in every way worthy of purchase by all wide-awake farmers; they cannot afford to do without it. Four positions of teeth, doing good work in all crops. This is not to be compared with low-priced harrows, similar in appearance, but made of common material. The sale in this style tool has been phenomenal. At first we sold quite a number, and the indications were for a big trade, but we had no idea that the sales would reach their present proportions. The teeth have four positions—first, the position as shown in cut, in which case it can be used for working very close to small plants. Thoroughly pulverizes, but throws no dirt on plants. Second position, as a straight tooth harrow. Third position, the teeth can be arranged as a smoothing harrow, with sharp points down, in order to cut and level the surface. Fourth position, the teeth can be set with sheared end down, being less liable to injure young plants.

Price, without lever.....$3.25 Price, with lever.....$3.75

Cultivator Points and Steels.



Leveler.

0 1 82 68 10 11 16 12

No. 0—1¼ in. Diamond Point Steel	$ .06
" 1—2 " " " "	.06½
" 82—3 " " " "	.07
" 68—Oval or Jersey " "	.07½
" 10—Turn Shovel, right or left, each	.18
" 11—6 inch Sweep	.15
" 11—8 inch Sweep	.18
" 16—Turn Shovel	.18
No. 12—Horse Hoe, Steel, with Shank or Standard, per pair	$1.00
" 12— " " " without Shank or Standard, per pair	.40
Horse Hoe Attachments complete, in three pieces (The No. 12 is represented on the cut of the Iron Age Horse Hoe).	1.15
Wheels for Cultivators, each	.60
Levelers for Cultivators, each	.85
Cultivator Plate Bolts, each	.03
Cultivator Frame Bolts, each	.03

Teeth for Baltimore Combined Harrow and Cultivator, Diamond Shaped Steel, each .... .6½c. Cultivator Handles, finished, per pair..... 75c.

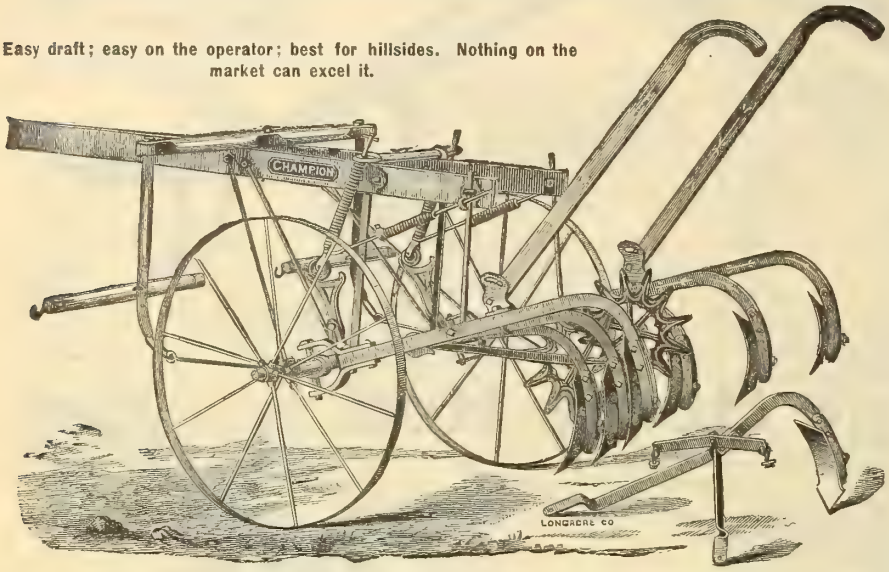
All of the above goods are of Best Steel and Highly Polished. Special Prices on Bolts in Quantities.

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE.

Hench's Champion Steel Walking Cultivator.

With Shovel Beam Hoisted and Held Up by Springs Alone.

Easy draft; easy on the operator; best for hillsides. Nothing on the market can excel it.



In the annexed cut is seen our six-shovel Corn and Fallow Cultivator, with seventh or middle shovel.

Perfect spring pressure and hoisting device for regulating the shovel beams or drag bars for deep or shallow cultivating.

The high arch permits its use in high corn, and, being firmly braced, gives it great strength.

We furnish the same patent spring hoe that is used on our riding Cultivators for rocky or stumpy land at small extra cost.

PRICES.

6-shovel Pin Hoe	$16.50
8-shovel Pin Hoe	18.00
Seventh or Middle Beam	1.50
6-shovel Spring Hoe	20.00
8-shovel Spring Hoe	22.50
Seventh or Middle Shovel	2.25

In addition to the regular Shovels, 2 Bull Tongues and 2 Hilling Shovels accompany each machine.

SPECIAL DISCOUNT FOR CASH

Steels for Hench & Dromgold's Riding Cultivator and Champion Walking Cultivator.

2½ in. Plain Shovel, O. S., without revolving backs	15c.
2½ in. Plain Shovel, N. S., with revolving backs	20c.
3½ in. Plain Shovel, O. S., without revolving backs	20c.
3½ in Plain Shovel, N. S, with revolving backs	25c.
6 x 11 Blade, with revolving back, for 4-shovel Cultivator	40c.
Hilling Shovels	50c.

Champion Cultivator with Parallel Beams.

We furnish these with three, four or five shovels on a side, making it a six, eight or a ten shovel Cultivator. It can also be changed in the field in a few minutes time from a six to an eight shovel, or a ten shovel Cultivator. by putting on the addit onal standards and shovels. The angle of the shovel beam can also be changed in a few minutes time, so that the shovels cut wider apart or closer together as desired; or the shovel standards can be moved closer together or farther apart on the drag bars, changing the width of cut in this way. It is also made with spring trip, same drag bars being used. If spring hoe is desired it can be changed from pin brake without taking it out of the field, by simply getting the spring hoe standards.

PRICES.

6 Shovel Pin Hoe	$17.50
8 Shovel Pin Hoe	19.00
2 Centre Beams and Shovels	2.00
6 Shovel Spring Hoe	21.00
8 Shovel Spring Hoe	23.50
2 Centre Beams and Shovels	3.50

SPECIAL DISCOUNT FOR CASH.

Hench's Junior Steel Ball Coupling Cultivator.

The annexed cut represents our Hench Junior Cultivator, with 36 inch wheels. It is similar to our 20th Century (see next page), except the axle standard which allows the wheels to pass over the axle, and is recommended where extremely narrow rows are not cultivated.

It is made with three, four or five shovels on each gang, making it six, eight or ten shovel Cultivator for rowed crops, with a pair of 1¼ inch bull tongues for first cultivation, and one pair of hilling shovels for last cultivation of rowed crops.

It can be rigged with two middle beams and shovels, making a twelve shovel Cultivator for fallow cultivation. It also can be furnished with *Double Row Corn Planter Attachment*, as shown in the 20th Century Cultivator, Fig. 56 (see next page.)

PRICES.

6 Shovel Pin Hoe	$27.00
6 Shovel Spring Hoe	30.00
8 Shovel Pin Hoe	28.50
8 Shovel Spring Hoe	32.50
2 Centre Beams and Shovels, Pin Hoe	2.50
2 Centre Beams and Shovels, Spring Hoe	3.50
2 Standards and Shovels to make 10-Shovel Pin Hoe	2.00
2 Standards and Shovels to make 10-Shovel Spring Hoe	2.75

SPECIAL DISCOUNT FOR CASH.

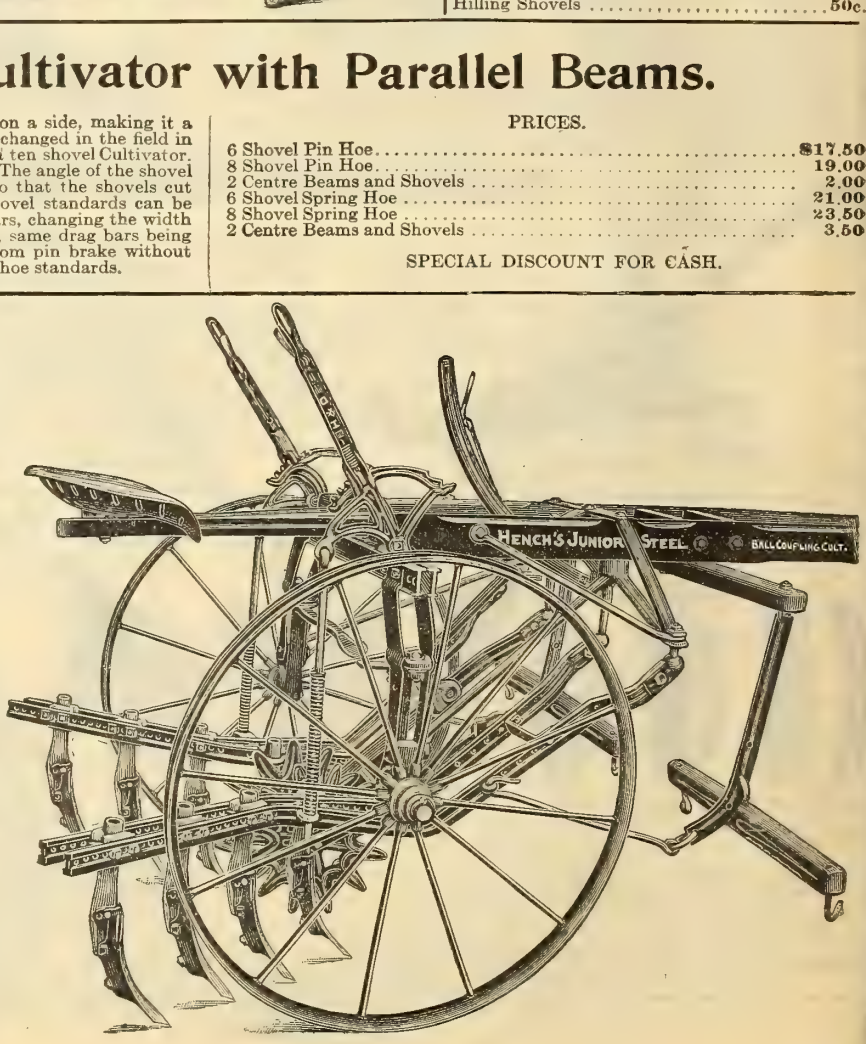


Fig. 50.

Hench's 20th Century Steel Ball Coupling Cultivator

This is a perfect machine for both rolling and level land.

Pivot axle, easy of adjustment, simple arrangement to accommodate the machine for narrow rows. Can be furnished either for pin or spring hoe.

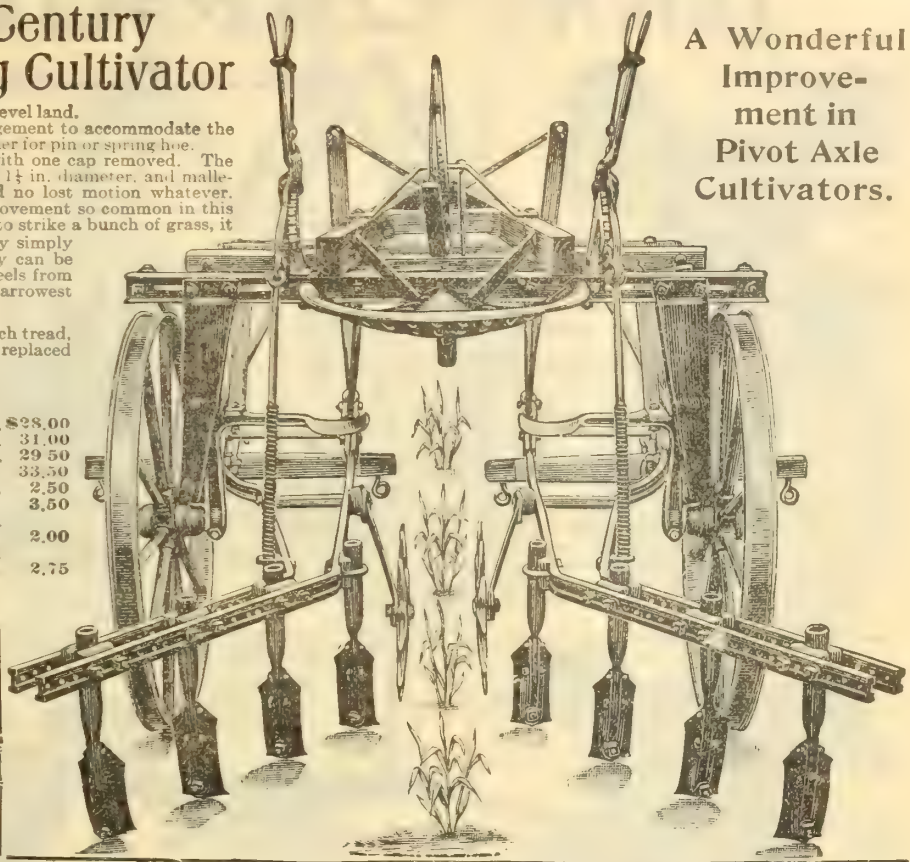
Fig. 51 shows the ball and socket coupling with one cap removed. The shovel gangs are coupled in front by steel balls, 1¼ in. diameter, and malleable sockets having larger running surface and no lost motion whatever. This simple arrangement prevents the lateral movement so common in this style of machine, so that, if the shovel happens to strike a bunch of grass, it will not glance around, but will cut it out. By simply slacking four nuts on the wheel standards they can be moved in or out on the axle, narrowing the wheels from 46 inches, the widest point, to 34 inches, the narrowest point, between the wheels.

Wheels 32 inches high, made of steel, with 2 inch tread, malleable hubs, removable boxes, which can be replaced if worn out. Weight, about 375 pounds.

PRICES.

6 Shovel Pin Hoe	$28.00
6 Shovel Spring Hoe	31.00
8 Shovel Pin Hoe	29 50
8 Shovel Spring Hoe	33.50
2 Centre Beams and Shovels, Pin Hoe	2.50
2 Centre Beams and Shovels, Spring Hoe	3.50
2 Standards and Shovels to make 10-Shovel Pin Hoe	2.00
2 Standards and Shovels to make 10-Shovel Spring Hoe	2.75

SPECIAL DISCOUNT FOR CASH.



A Wonderful Improvement in Pivot Axle Cultivators.

20th CENTURY CORN PLANTER ATTACHMENT.

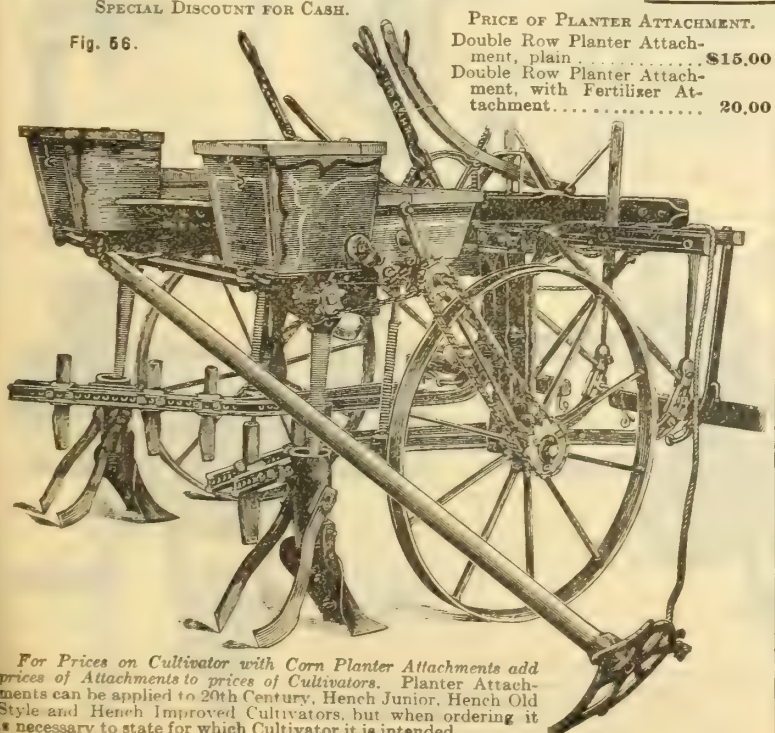
Fig. 56 shows the 20th Century Cultivator with double row planter and fertilizer attachment, rigged, for planting 2 rows. The corn planter is also furnished without the fertilizer attachment.

All Cultivators are made so that the planter can be attached at any time. It will plant accurately, almost any depth required, one grain 11, 13 or 15 inches, or two grains 22, 26 or 30 inches apart, and additional dies can be furnished at a small cost for sowing ensilage corn or for peas, beans and other seeds.

It can be set to plant rows from 2 feet 10 inches to 4 feet apart. The cost for a 2-row planter attachment is but a trifle more than a single row.

SPECIAL DISCOUNT FOR CASH.

Fig. 56.

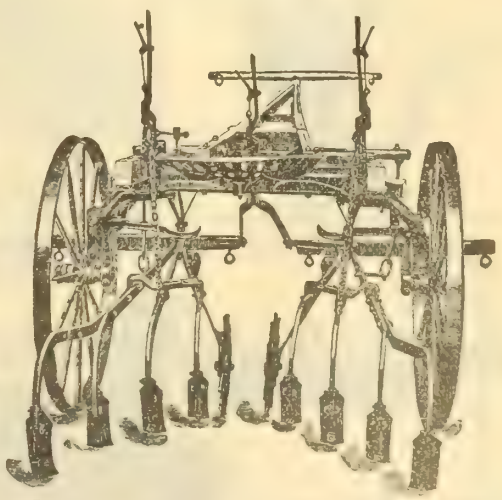


PRICE OF PLANTER ATTACHMENT.

Double Row Planter Attachment, plain	$15.00
Double Row Planter Attachment, with Fertilizer Attachment	20.00

For Prices on Cultivator with Corn Planter Attachments add prices of Attachments to prices of Cultivators. Planter Attachments can be applied to 20th Century, Hench Junior, Hench Old Style and Hench Improved Cultivators, but when ordering it is necessary to state for which Cultivator it is intended.

The Hench Improved Pivot Axle Cultivator.



It can be narrowed from 47 inches to 36 inches between the wheels, thus enabling the operator to cultivate rows from 28 inches up to 4 feet apart. We use steel wheels 36 inches high with renewable boxes. The spindles are 1¼ inches round steel, 8 inches long, and can be renewed very quickly by any blacksmith. We furnish it with either three or four shovels on each side, or drag bar as desired. Also a pair of hilling shovels and one pair of bull tongues.

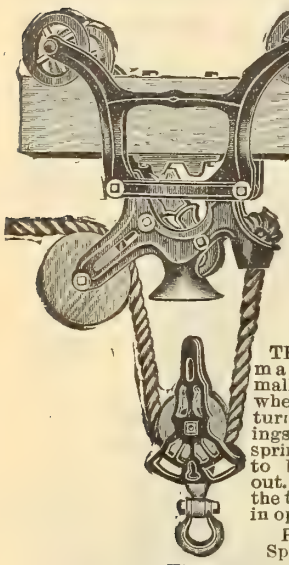
HENCH IMPROVED CULTIVATOR

6 Shovel Pin Hoe	$27.00	2 Centre Beams and Shovels Pin Hoe,	$2.50
6 Shovel Spring Hoe	30.00		
8 Shovel Pin Hoe	29 00	2 Centre Beams and Shovels Spring Hoe	3.50
8 Shovel Spring Hoe	33.00		

SPECIAL PRICES FOR CASH.

GRIFFITH & TURNER CO.

HAY CARRIERS.



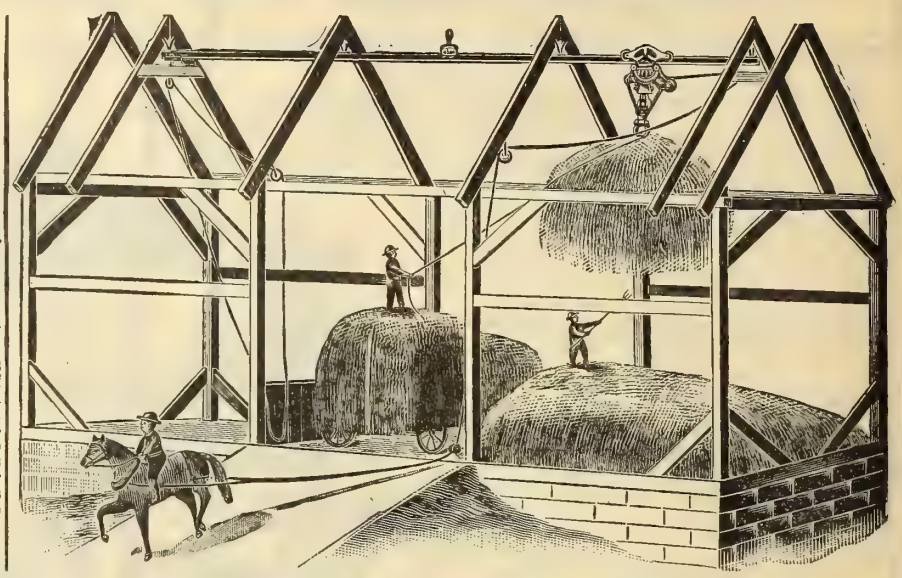
NEY'S WOOD TRACK SWIVEL REVERSIBLE CARRIER.

For 4x4 Wood Track.

THIS Carrier is made entirely of malleable iron. All wheels revolve on turned iron bushings. Contains no springs, lugs or pins to break or wear out. Will not pass the trip block while in operation.

Price, $4.50.
Special for cash.

Fig. 22.



Steel Track, per foot.....12½c.

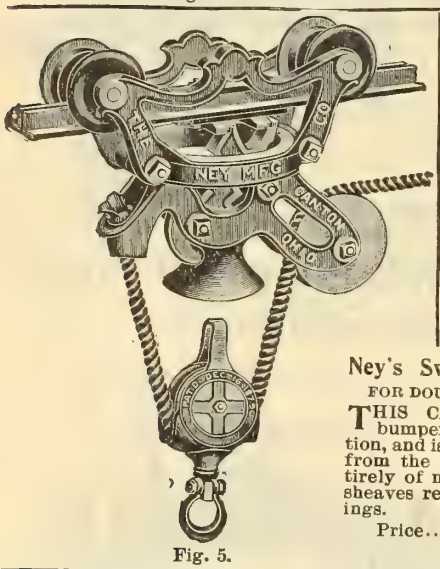


Fig. 5.

Ney's Swivel Reversible Carrier.

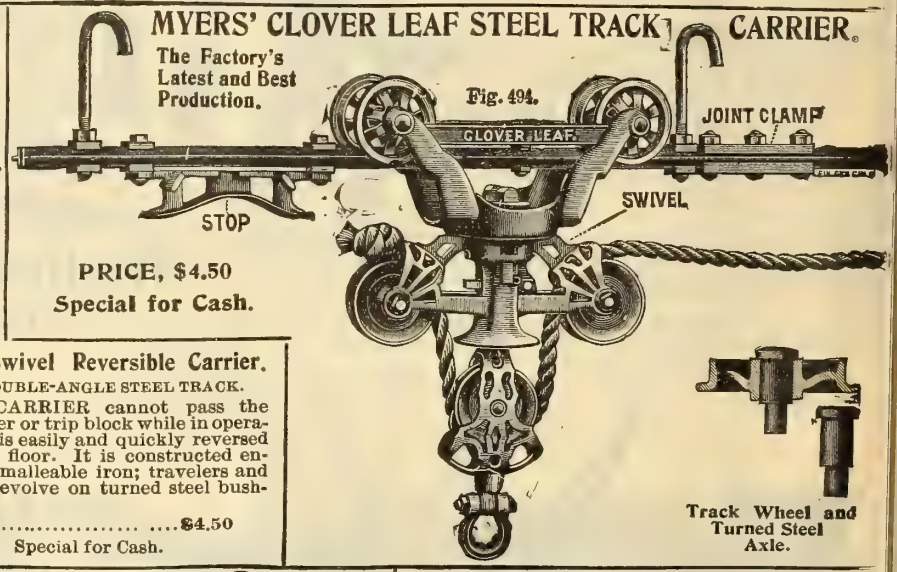
FOR DOUBLE-ANGLE STEEL TRACK.

THIS CARRIER cannot pass the bumper or trip block while in operation, and is easily and quickly reversed from the floor. It is constructed entirely of malleable iron; travelers and sheaves revolve on turned steel bushings.

Price..... ....$4.50
Special for Cash.

MYERS' CLOVER LEAF STEEL TRACK CARRIER.

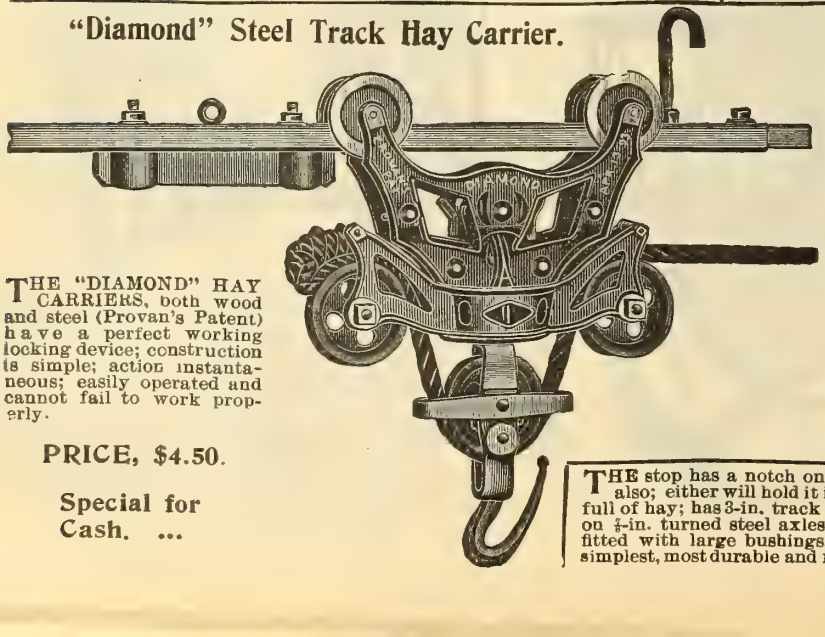
The Factory's Latest and Best Production.



PRICE, $4.50
Special for Cash.

Track Wheel and Turned Steel Axle.

"Diamond" Steel Track Hay Carrier.



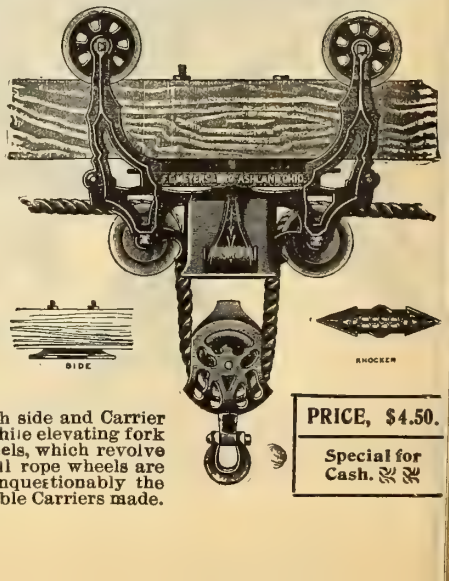
THE "DIAMOND" HAY CARRIERS, both wood and steel (Provan's Patent) have a perfect working locking device; construction is simple; action instantaneous; easily operated and cannot fail to work properly.

PRICE, $4.50.

Special for Cash. ...

THE stop has a notch on each side and Carrier also; either will hold it in while elevating fork full of hay; has 3-in. track wheels, which revolve on ¾-in. turned steel axles. All rope wheels are fitted with large bushings. Unquestionably the simplest, most durable and reliable Carriers made.

Myers' Double-Lock Reversible Carrier.



PRICE, $4.50.

Special for Cash.

HAY TOOLS AND FIXTURES

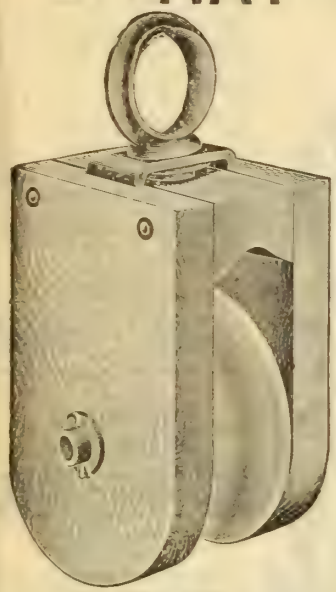


Fig. 43.
Wood Frame Pulley.

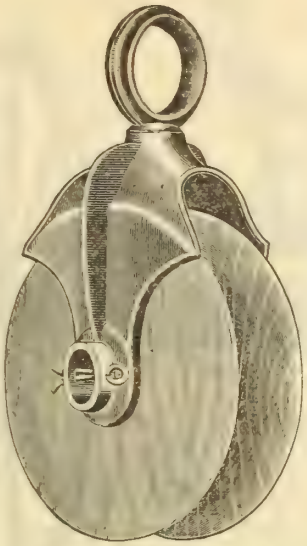


Fig 44.
Hard Maple Sheave Pulley.

Fig. 46.
Knot-Passing Pulley

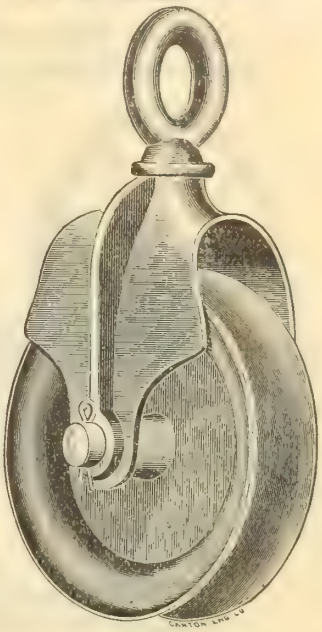


Fig. 45.
All Iron Pulley.

HAY FORKS.

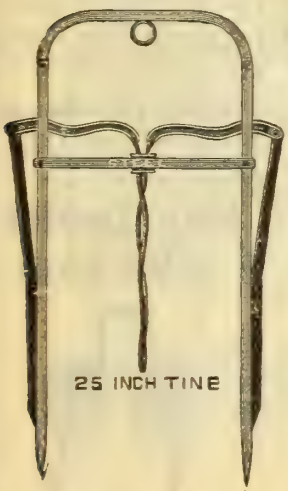


Fig. 47.
Harris Double Harpoon Fork.

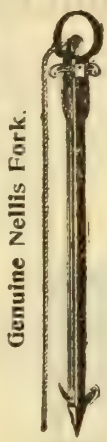


Fig. 48.

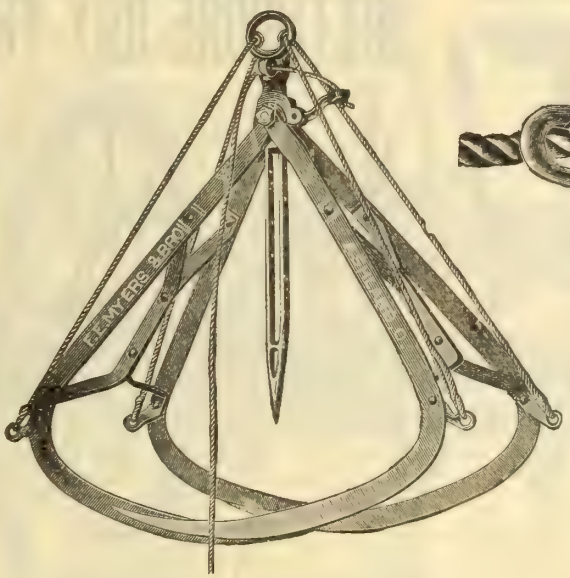


Fig. 49. **Myers' Four Tine Grapple Fork.**

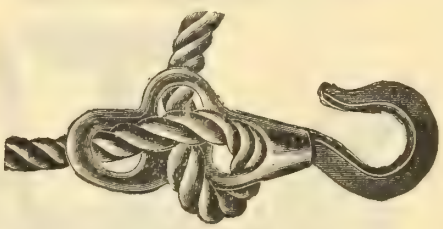


Fig. 50.
Swivel Rope Hitch.

Fig. 51. (Keesh).
Malleable Rafter Bracket.

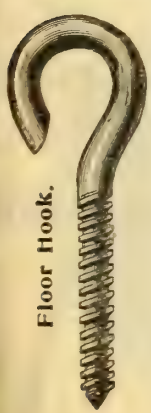


Fig 52.
Floor Hook.

Fig. 53.—**Wood Track Hook.**

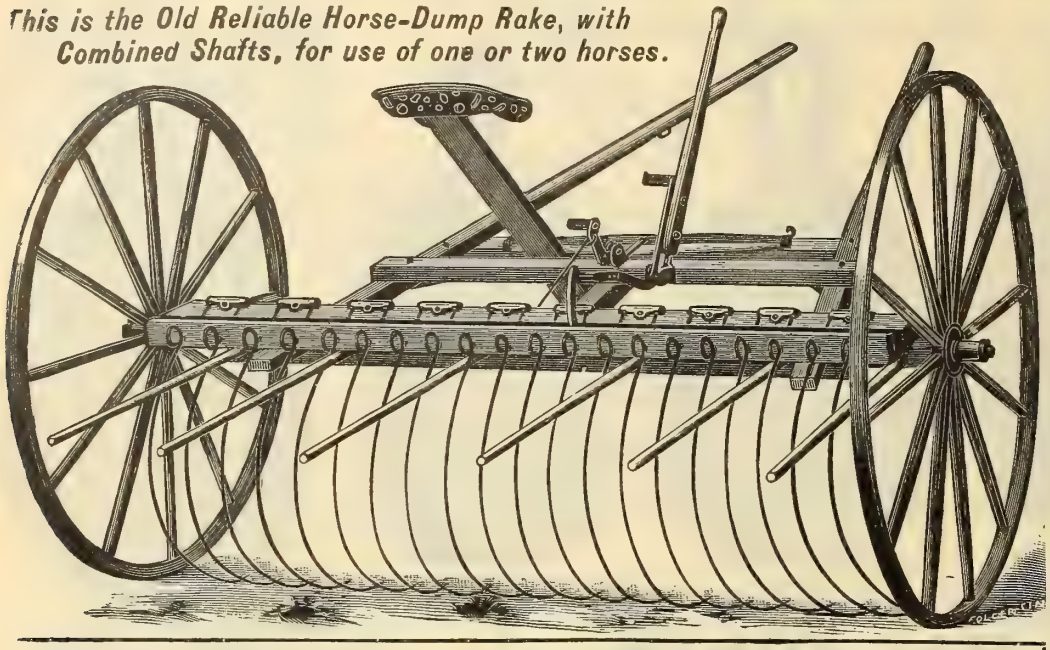
... PRICES ...

Fig. 43.—WOOD FRAME PULLEY—An exceptionally good pulley made of hardwood, well seasoned. Furnished in either hook or eye	$ .25
Fig. 44.—MAPLE SHEAVE PULLEY—6 in. sheave, boiled in oil, cast frame and holder pin	.20
Fig. 45.—ALL IRON PULLEY—Has 5 in. sheave, swivel eye, well made, finished in baking japan	.20
Fig. 46.—KNOT-PASSING PULLEY—Has strong iron frame, swivel eye, with inside flange to protect rope. Has 6 in. sheave of thoroughly seasoned hard maple on hollow loose pin	.30
Fig. 47.—HARRIS DOUBLE HARPOON FORK	1 00
Fig. 48.—GENUINE NELLIS HARPOON FORK	2.00
Fig. 49.—MYERS' FOUR TINE GRAPPLE HOOK	4.50
Fig. 50.—SWIVEL ROPE HITCH	.20
Fig. 51.—RAFTER BRACKET, malleable	.06
RAFTER BRACKET, steel	.06
Fig. 52.—FLOOR HOOK	.08
Fig. 53.—HANGING HOOK FOR WOOD TRACK	.08
HANGING HOOK FOR STEEL TRACK	.08
Extra Trips or Stops for Cars	.10
Steel Track, per foot	.12½

GRIFFITH & TURNER CO

BALTIMORE SELF-DUMP RAKE.

This is the Old Reliable Horse-Dump Rake, with Combined Shafts, for use of one or two horses.



Made in either Wood or Steel. Disengages noiselessly and without jar or strain. We claim for it greater strength because the parts are united securely to the steel axle and the wood rake-head, and because there is less wear and tear than on other rakes. It has steel teeth, made from the best crucible steel, and tempered in oil.

The lever remains stationary when the load is discharged.

PRICE,
BALTIMORE SELF-DUMP RAKE.

Wood, - - $21.00
Steel, - - 28.00

• Baltimore • Hand-Dump Rake

MADE IN EITHER WOOD OR STEEL.

This Rake is made of thoroughly seasoned hardwood. The axle arms are 1¼-inch round iron, securely bolted to the wood axle head. It has 20 teeth of spring steel, same as above. Every tooth independent. The seat is adjustable and can be raised or lowered for man or boy.

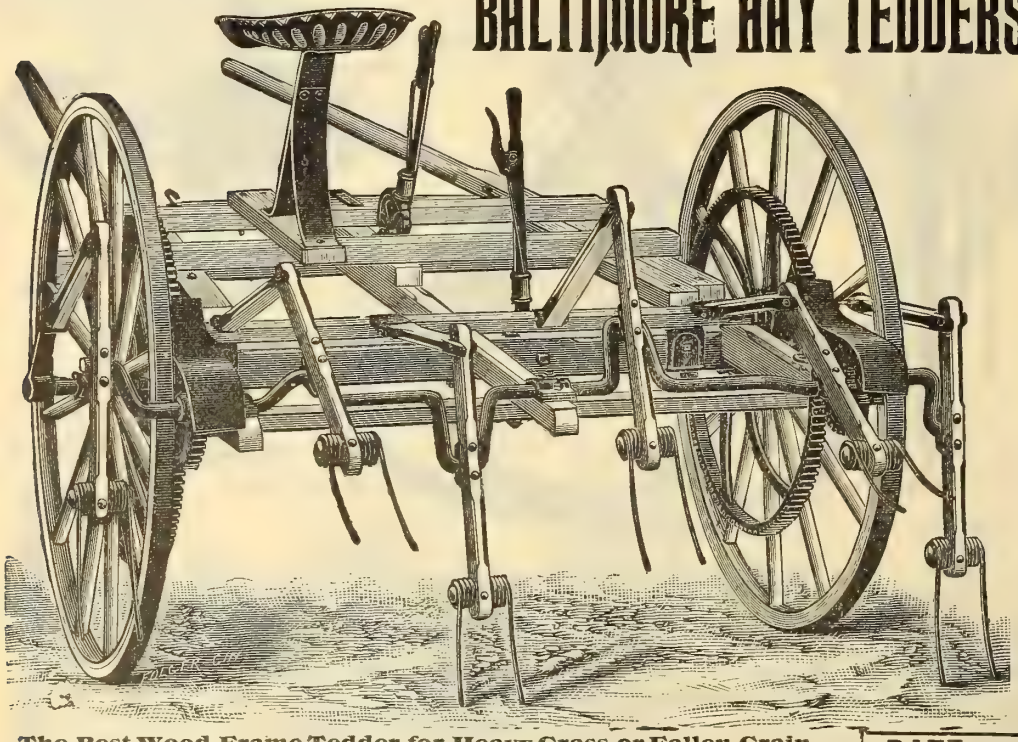
The Steel Hand-Dump Rake is similar in all respects excepting in material used.

PRICE,
BALTIMORE HAND-DUMP RAKE.

Wood, - - $17.00
Steel, - - 19.00

MADE IN EITHER WOOD OR STEEL.

BALTIMORE HAY TEDDERS.



The Best Wood Frame Tedder for Heavy Grass or Fallen Grain.

Combination shafts and tongue, without side fork and shields over gearing.

The Baltimore has new bent shifting lever which makes a complete lock. Also is provided with a most comfortable spring seat, levers for raising and lowering, and throwing in or out of gear, within easy reach of the driver. Combined pole and shafts, quickly and easily changed from a one to a two-horse machine.

The Ground Wheels are closer together than on most Tedders. The outside forks kick the hay up loose after the wheels pass over it. Forks are made of crucible steel, oil tempered. One of the simplest and most comprehensive Tedders on the market.

—PRICE:—

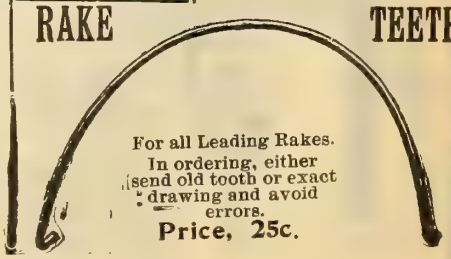
BALTIMORE TEDDER, Wood, ... $30.00
" Steel, ... 33.00

Hay Tedder Forks

Always on hand, stock of Forks for leading styles of Hay Tedders.

Price, - 25 cts.
SPECIAL PRICES IN QUANTITIES.

RAKE TEETH



For all Leading Rakes.
In ordering, either send old tooth or exact drawing and avoid errors.
Price, 25c.

SPECIAL PRICES ON ABOVE RAKES AND TEDDERS FOR CASH.

GRIFFITH & TURNER CO

MARYLAND RAKES AND TEDDERS.

Made in both WOOD and STEEL. Full line of regular sizes, similar in quality and construction to BALTIMORE LINE, but slightly different in design.

Maryland Self Dump, Wood,	-	-	$21.00	Maryland Hand Dump, Wood,	-	-	$17.00
" " " Steel,	-	-	23.00	" " " Steel,	-	-	19.00

SPECIAL PRICES FOR CASH.

In addition to regular sizes, we carry the Maryland Self Dump Steel Rakes, 10 1-2 feet, with 26 teeth—Price, $24.00
MARYLAND TEDDERS, Wood, $30.00; Steel, $33.00.

THOMAS RAKES.

Genuine Thomas Hand Dump Rake.

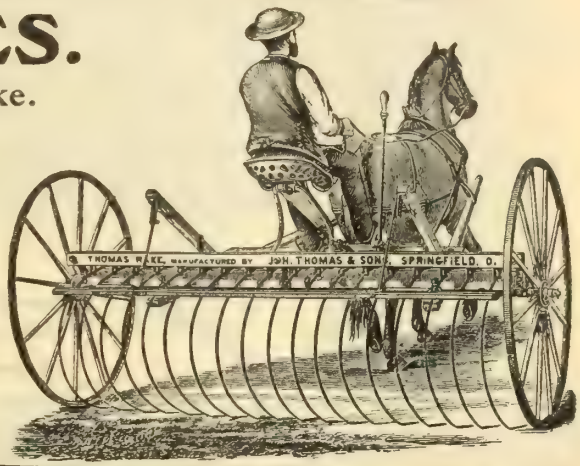
PRICE, $20.00. SPECIAL PRICE FOR CASH.

This Rake has long been known in the agricultural world as one of the best Rakes made.

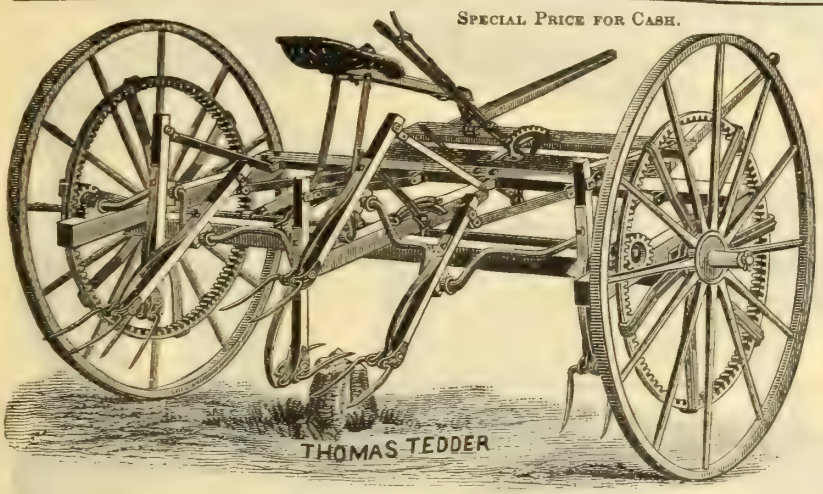
POINTS OF MERIT.

It rarely requires any repairs; will rake corn stalks, as well as the heaviest hay; has a long and good spring over each tooth; an overhanging cleaner with roller turns the hay in dumping and brings green hay on top.

In other styles, the Rake Head is bolted firmly to the axle, and when dumping, especially on hillsides, the binding of the wheel on the axle causes greater friction and hard work to the operator. In this Rake the head turns on the axle, which extends beyond and is bolted to the shafts, so that in dumping the wheel is allowed to turn easily. The effect of the adjustment of the seat attachment is threefold—first, the weight of the operator assists in dumping; secondly, prevents the sudden hard fall and consequent breakage of teeth and jarring to machinery; thirdly, the teeth will not rebound.



SPECIAL PRICE FOR CASH.

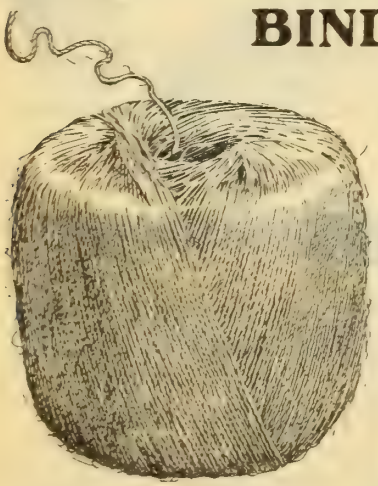


Genuine Thomas Tedder.

On this Tedder is used a continuous heavy steel axle. Wheels have lugs to prevent slipping, and tires are bolted on. Lever for throwing in and out of gear is in the centre of Tedder, and operator can work it from his seat. Big cog wheels fastened securely to the nut of ground wheel and not bolted to the spokes. Driver's weight rests on axle, and not on horse's neck. A spring on front frame piece to relieve the whole frame should it run against an obstruction. Steel cranks are used; smooth at all the journals and bearings, reducing wear and friction to a minimum. A regular pitchfork style of kicker is used. Fork spring is of steel.

This machine is built in a most substantial manner, and of the very finest and strongest material, and will properly handle the heaviest hay. All the kickers are between the wheels. Price, **$34.00.**

BINDER TWINE.



We make a specialty of Binder Twine and carry a large stock at lowest prices, and can supply in any quantity desired, such as Sisal, Standard, Standard Manila, Manila and Pure Manila.

Will be pleased to open correspondence as to kinds and prices.

MANILA, SISAL and COTTON ROPE

Universal Harvester Oil

possesses all the elements which fit it for use in harvesting machinery. It is always uniform, unexcelled as a lubricant. It is not a mixture in any sense of the word, being a straight run product. It can never gum, no matter what the temperature or climate. Its usefulness is not confined to harvesting machinery alone, and thousands of other machines owe their smooth and frictionless action to its use. Dust and grit are much in evidence in the harvest field, and the greater the consistency of an oil the more effective it is in withstanding these evils. This Oil will never thicken, even to the very last drop, whether exposed to the air or not. The best testimonial to its worth is, that once used it is always used.

5 gall. can $2.00
1 gall. can ..... .50

SPECIAL PRICE ON HALF-BARRELS AND BARRELS.

ROPE. Always on hand the best Manila, Sisal and Cotton Rope, in coils or by the piece, at prices consistent with quality. Prices on application.

Approximate length of Manila and Sisal Rope per pound: ¼ diameter, 6 ft. to pound; 13-16 diameter, 5 ft. to pound; ½ diameter, 4 ft. 3 in. to pound.

We recommend 13-16 in. Rope for Hay Forks.

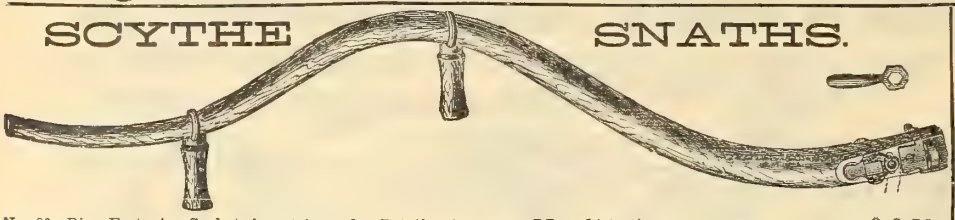
FODDER YARN.

Have always on hand large quantities of the above. Prices on application.

GRIFFITH & TURNER CO

Scythes, Snaths, Cradles, Etc.

SCYTHE SNATHS.



No. 80—Ring Fastening Socket, iron trimmed. Retail price.....55c. List price..... .....$ 9.50
No. 55—Patent Loop, solid plate, iron trimmed. " .....65c. " 11.50
No. 100—Two Rings, Bush Snath. " .....70c. " 12.50

SCYTHE STONES.

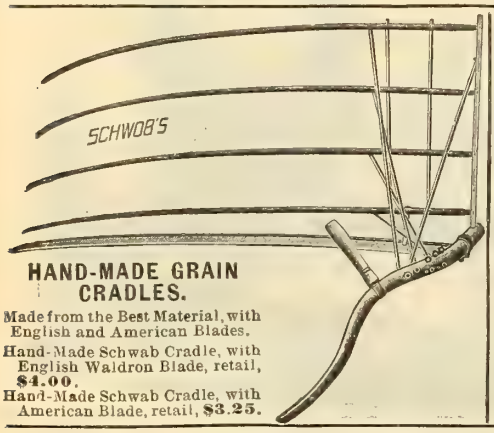
No. 1—Willoughby Creek..10c., $1.00 doz.
No. 2—White Mountain...10c., 1.00 doz.

These are far superior to Darby Creek and not so easily broken.

No. 3—Green Mountain.....8c., 75c. doz.
No. 4—Indian Pond No. 2 (red end) 5c., 50c. doz.
No. 5—Mowing Machine (beveled) ....10c. each.
No. 6—Darby Creek.....10c., $1.00 doz.
No. 7—Imported English Talacre.....20c. each.

None genuine unless labeled Sir Pyres Mostyn, Talacre Quarries.

Cigar Emery .....10c. each.



HAND-MADE GRAIN CRADLES.

Made from the Best Material, with English and American Blades.

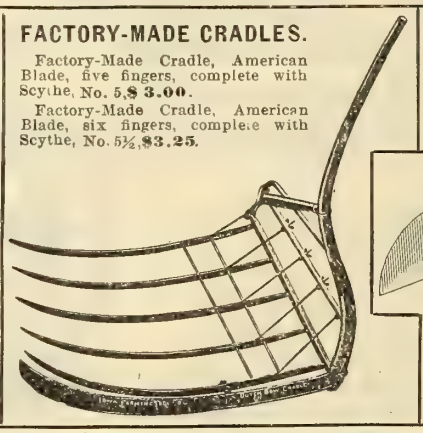
Hand-Made Schwab Cradle, with English Waldron Blade, retail, $4.00.

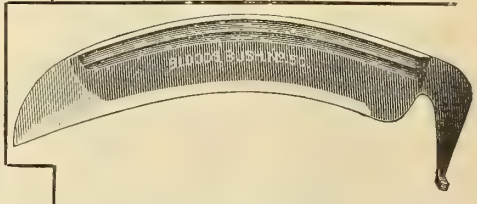
Hand-Made Schwab Cradle, with American Blade, retail, $3.25.

FACTORY-MADE CRADLES.

Factory-Made Cradle, American Blade, five fingers, complete with Scythe, No. 5, $3.00.

Factory-Made Cradle, American Blade, six fingers, complete with Scythe, No. 5½, $3.25.



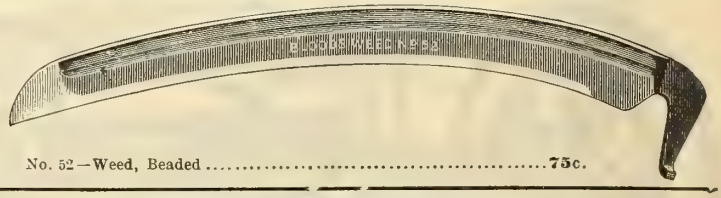


No. 50—Best Bush or Briar, Beaded, American Pointed.

Price .....75c.

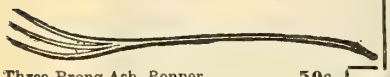
OAT AND BARLEY FORKS.

Price, each..... 65c.
Per dozen..... .....$7.20.

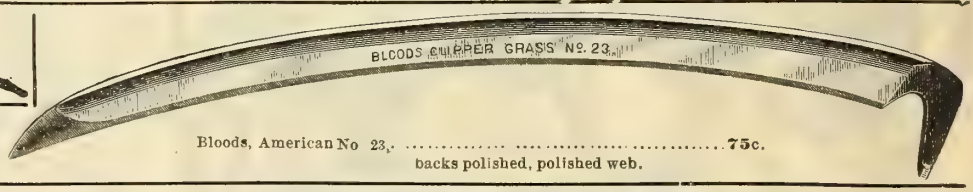


No. 52—Weed, Beaded .....75c.

STABLE FORKS.

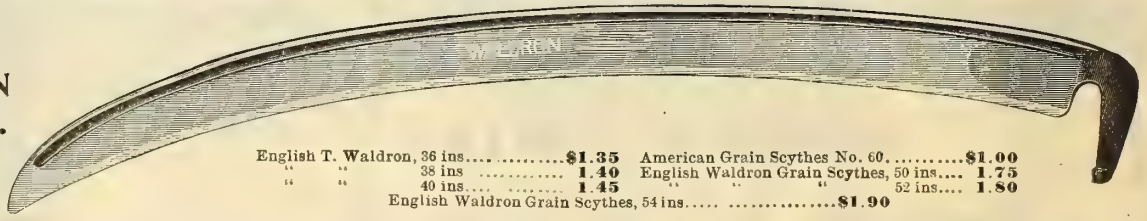


Three-Prong Ash, Bonner.....50c.
Three-Prong Oak Wood Stable Forks,
Four-Prong Oak Wood Stable Forks..75c.



Bloods, American No 23,. .....75c.
backs polished, polished web.

ENGLISH WALDRON PATTERN.

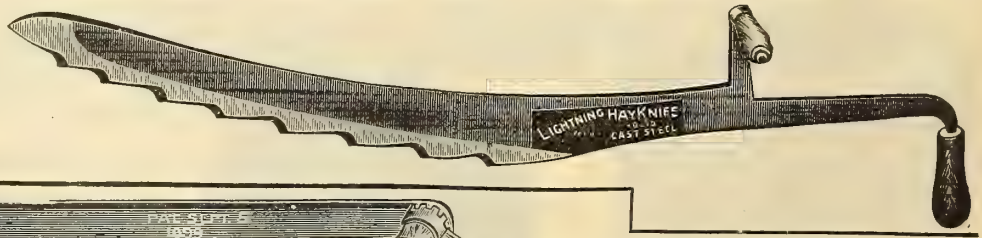


English T. Waldron, 36 ins.....$1.35
" " 38 ins 1.40
" " 40 ins..... 1.45
English Waldron Grain Scythes, 54 ins..... .....$1.90

American Grain Scythes No. 60, ...$1.00
English Waldron Grain Scythes, 50 ins.... 1.75
" " 52 ins.... 1.80

LIGHTNING HAY KNIFE.

Price .....75c.



THE AMERICAN SICKLE EDGE HAY KNIFE.

The best cutting knife made. Right or left hand. Sections can be easily replaced.

Price..... $1.25

THE ASHLAND SURE GRIP FLEXIBLE DOOR HANGER.

The Ashland Sure Grip patented Flexible Barn Door Hanger is constructed with a lug extending upward around the bottom of the track (see Fig. 991) which locks it securely and prevents throwing off under any circumstances.

The frame is malleable iron with hood covering the wheel to prevent snow or sleet from accumulating thereon. The wheel is 3¼ inches in diameter with a wide groove, and revolves on hard steel rollers surrounding a large steel axle securely held in position by a cotter and easily removed.

The flexible feature.—The door can be swung out from the bottom at any angle (see cut, Fig. 993). The flexible feature allows the top of the door to move away from the building at least one-half an inch. The advantage of this is that all doors naturally warp or the boards on the side of the barn become cupped up, thus making an uneven surface, in which case a door mounted with the ordinary hanger could not be moved.

The track is heavy special high carbon, stiff steel, 3-16 x 1 1-4 inches, supported by a heavy steel bracket with square shoulder mortised through the track every 17 inches, thus making a very substantial fastening and adds materially to the stiffness of the track. The track can be placed with either edge up.

Fig. 994.

MYERS

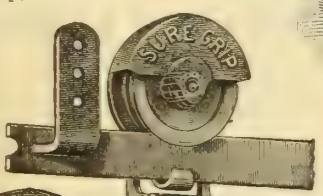


Fig. 991.

Fig. 989.
MYERS.

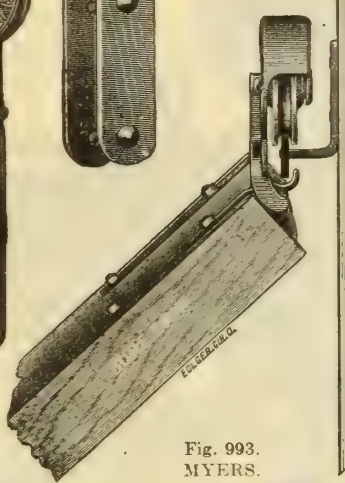
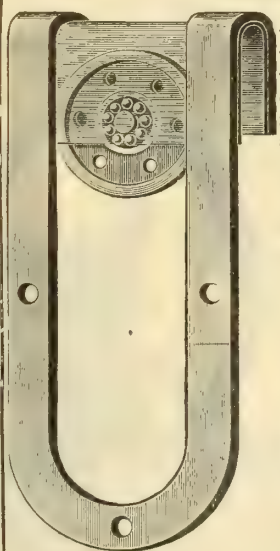


Fig. 993.
MYERS.

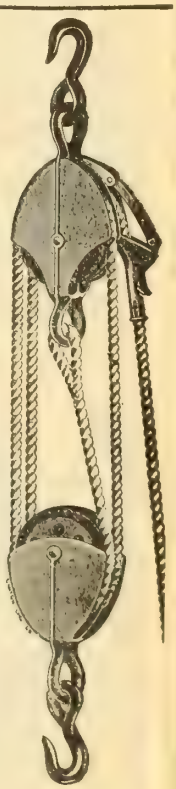
NEY ANTI-FRICTION BARN-DOOR HANGER No. 2.



This hanger is anti-friction, containing roller bearings, which cause the wheel to roll easily and prevent wear. The frame is made of special open hearth steel, and the strength is fully sufficient for the heaviest doors, and has hood protecting the wheel from snow and ice. The wheel is 4 inches in diameter, and of standard tread; therefore can be used on other tracks. Price, per pair ..... 75c.

STAY ROLLERS.

For use on Barn Door Hangers.
Price, each ..... 15c.



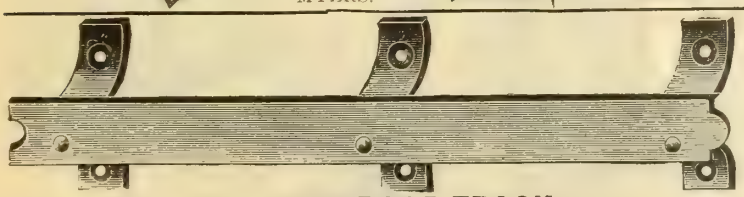
THE CANTON HOIST.

Can be used to advantage in factories of all kinds, foundries, quarries, mills and warehouses, also by contractors, stone masons, carpenters and all classes of mechanics, as well as farmers. They are indispensable on the farm.

No. 33.—2 sheaves above, 2 sheaves below; for ¼ to ½ rope; capacity, 1,500 lbs. One man can lift 500 lbs. 4 in. sheaves; Fac. list, $6.00 Our price..... $4.00

No. 37.—2 sheaves above, 2 sheaves below; for ½ in. rope; capacity, 800 lbs. One man can lift 400 lbs. 3 in. sheaves; Fac. list, $4.00. Our price,..... 3.00

Rope not included in price.



NEY STEEL BARN-DOOR TRACK.

This track is made of Special Carbon Open Hearth Steel, 1x3-16 stock, and has heavy brackets well and substantially riveted to it at every 12 inches. The ends are made with tongue and groove to match. The track is made in 4, 6, 8 and 10-foot lengths. It is easily erected, and requires no roofing or covering of any kind. Price, per 100 feet..... $5.00

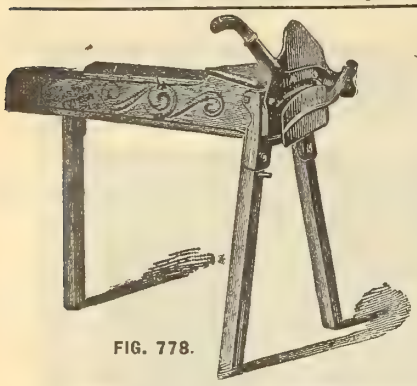


FIG. 778.

FIG. 778.

MARYLAND
Lever Cutter.

STRONG, CHEAP AND DURABLE.

11 inch knife; weight, K. D., 55 pounds...$3.50.

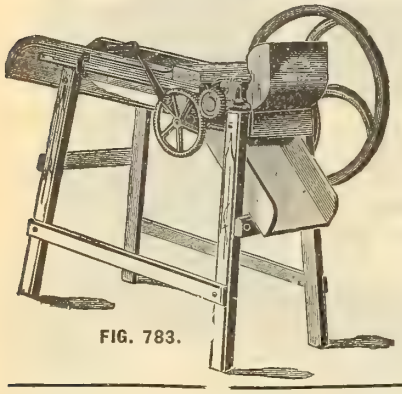


FIG. 783.

FIG. 783.

OUR BALTIMORE
PONY CUTTER

Adapted to cutting hay, straw and corn fodder, and is suitable for persons keeping from one to four or five animals.

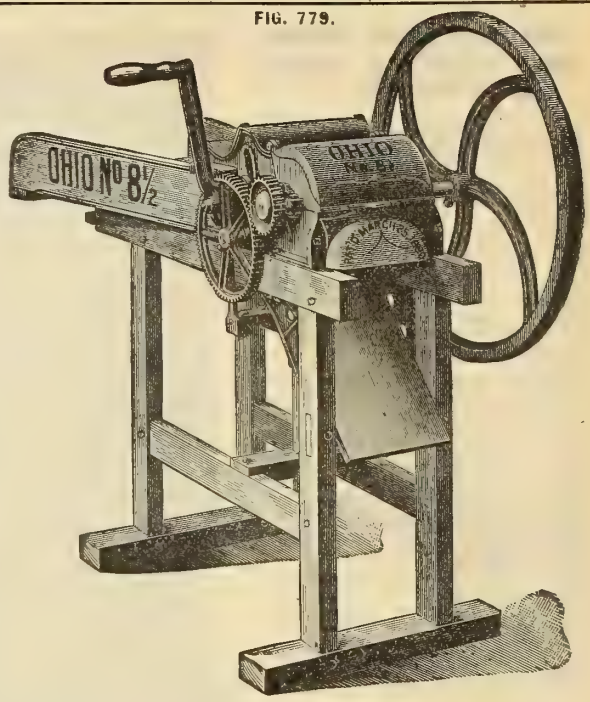
Weight, K. D., packed for shipment, 160 pounds.

One knife, 11¼ inches long.

Retail Price,.....$10.00

SPECIAL DISCOUNT FOR CASH.

FIG. 779.



"Ohio" Hand Feed Cutter.

No.	Length of Knives, Inches.	Number of Knives.	Length of Cut, Inches.	Price.
8½	8½	2	¼, ⅜, ½,	$20.00
10½	10½	2	¼, ⅜, ½,	25.00

Less 30 per cent. retail.

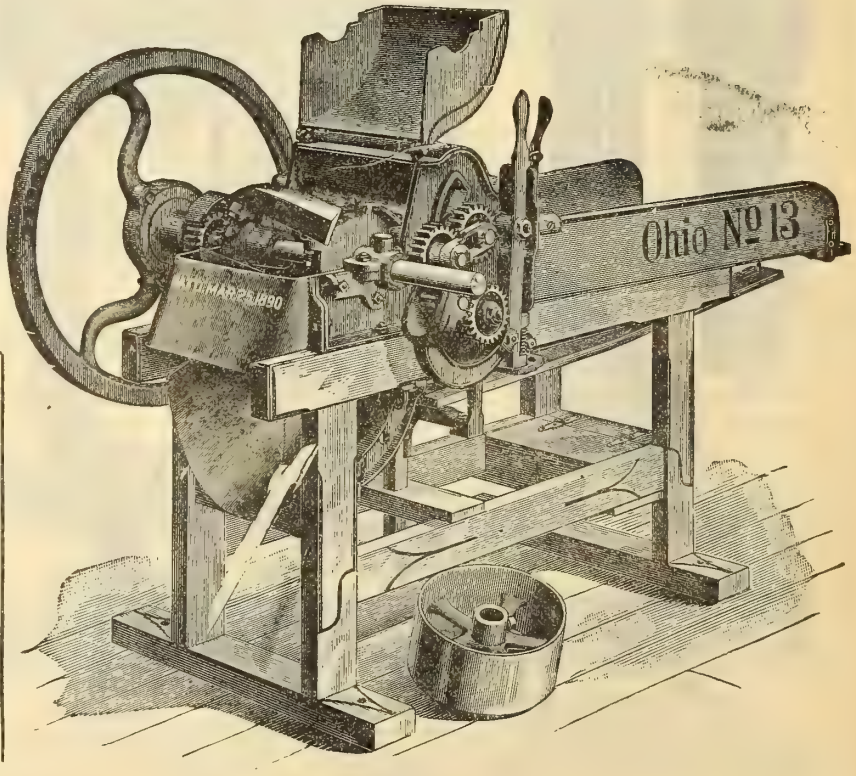
"OHIO" STANDARD FEED AND ENSILAGE CUTTERS.

FIG. 784.

No. 9 With safety fly-wheel and pulley; two knives	$ 35.00
No. 9 With safety fly-wheel and pulley; four knives	40.00
When furnished with extended knife shaft to place fly-wheel or pulley on either side, extra,	2.00
No. 11 With two knives, 11 inches long, four lengths cut	40.00
No. 11 With four knives, 11 inches long, four lengths cut	45.00
Extra gears to cut four inches long	3.00
No. 13 With two knives, 13 inches long, four lengths cut	60.00
No. 13 With four knives, 13 inches long, four lengths cut, weight, 560 lbs	65.00
Extra gears to cut four inches long, with two knives	4.00
No. 16 With four knives, 16 inches long, four lengths cut; weight, 620 lbs	90.00
Extra gears to cut four inches long, with two knives	4.00
No. 18 With four knives, 18 inches long, four lengths cut; weight, 700 lbs	120.00
Extra gears to cut four inches long, with two knives	4.00

THE LENGTH OF THE KNIVES IS INDICATED BY THE NUMBER OF MACHINE.

Less 30 per cent. retail.



The "Ohio" Dry Fodder Shredder Complete.

The Shredder Cylinders are for dry corn fodder. We can furnish Shredder Cylinders for "Ohio" Cutters Nos. 11, 13, 16, 18, 20 and 24. The Shredder head can be removed and the knife cylinder attached instead, in case the machine is wanted for hay or ensilage cutting. In order to reap the best results in shredding, the machine must be speeded up to 1000 or 1200 revolutions per minute; for that reason we use the fly-wheel seen in the cut instead of the open wheel in the Ohio Cutter.

	Prices.
No. 11—With solid fly-wheel and six-inch pulley	$ 45.00
No. 13—With solid fly-wheel and six-inch pulley	65.00
No. 16—With solid fly-wheel and six-inch pulley	90.00
No. 18—With solid fly-wheel and six-inch pulley	120.00
No. 20—With regular fly-wheel, small pulley	200.00
No. 24—With regular fly-wheel, small pulley	250.00
SHREDDER CYLINDERS ONLY.	
For No. 11, including fly-wheel and pulley	$25.00
For No. 13, including fly-wheel and pulley	28.00
For No. 16, including fly-wheel and pulley	30.00
For No. 18, including fly-wheel and pulley	32.00
For No. 20, including pulley, no fly-wheel	50.00
For No. 24, including pulley, no fly-wheel	55.00

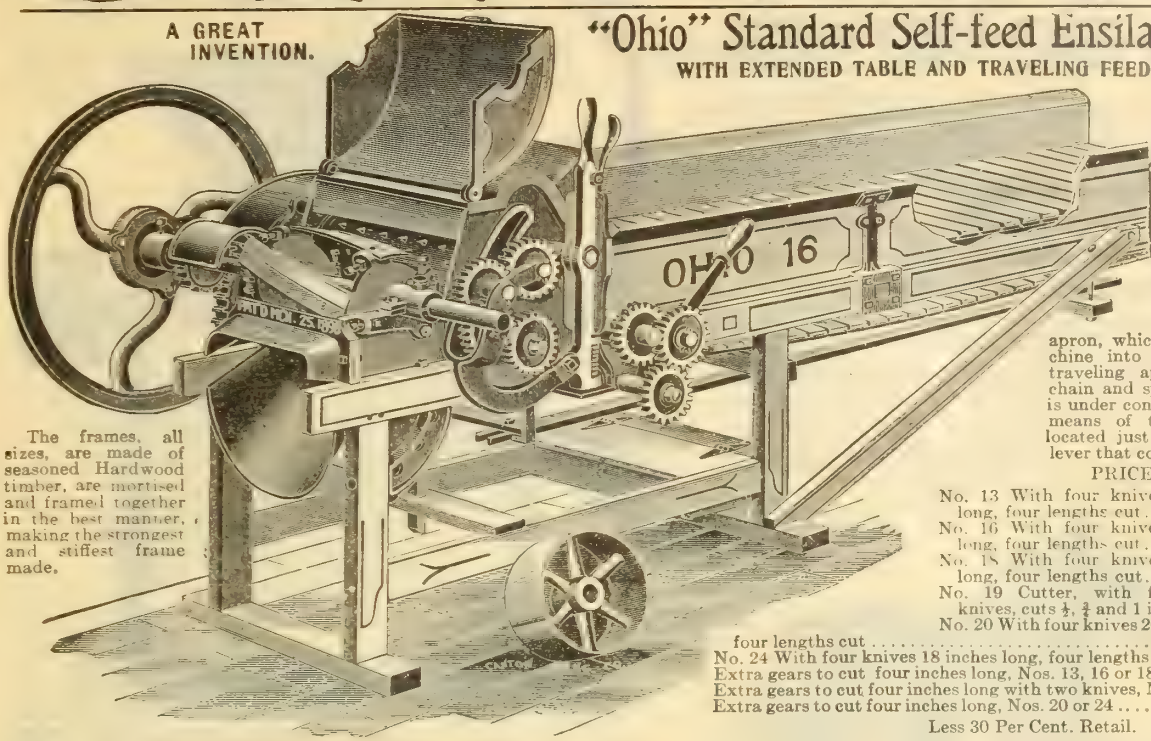
Less 30 per cent. retail.

GRIFFITH & TURNER CO

"Ohio" Standard Self-feed Ensilage Cutter.

WITH EXTENDED TABLE AND TRAVELING FEED APRON.

A GREAT INVENTION.



The frames, all sizes, are made of seasoned Hardwood timber, are mortised and framed together in the best manner, making the strongest and stiffest frame made.

The design of this machine is same as the regular Nos. 11, 13, 16 and 18. It differs in respect to the feed table, which in this machine is extended out to a total length of eight feet. The feed table is supplied with a continuous traveling chain, belt or apron, which converts the machine into a self-feeder. The traveling apron is driven by chain and sprocket wheels, and is under control of the feeder by means of the throwout lever located just in the rear of the lever that controls the feed rolls.

PRICES.

No. 13 With four knives 13 inches long, four lengths cut	$ 95.00
No. 16 With four knives 16 inches long, four lengths cut	120.00
No. 18 With four knives 18 inches long, four lengths cut	155.00
No. 19 Cutter, with four 19-inch knives, cuts ½, ¾ and 1 inch	200.00
No. 20 With four knives 20 inches long, four lengths cut	250.00
No. 24 With four knives 18 inches long, four lengths cut	300.00
Extra gears to cut four inches long, Nos. 13, 16 or 18	4.00
Extra gears to cut four inches long with two knives, No. 19	5.50
Extra gears to cut four inches long, Nos. 20 or 24	6.50

Less 30 Per Cent. Retail.

WEIGHTS.—No. 13, 775 pounds; No. 16, 835 pounds; No. 18, 875 pounds; No. 19, 1,100 pounds; No. 20, 1,585 pounds; No. 24, 1,685 pounds. Length of knives is indicated by the number of machine, except No. 24. LESS 30 PER CENT. RETAIL.

Power and speed required to run the various Ensilage Machines.

SPEED CUTTERS ALONE.

No. 9, 1-H. P.	Speed, 300 to 600 revolutions.
No. 11, 1 to 2-H. P.	" 300 to 600 "
No. 13, 2 to 4-H. P.	" 450 to 600 "
No. 16, 2 to 4-H. P.	" 450 to 600 "
No. 18, 4 to 6-H. P.	" 450 to 600 "

BLOWERS AND CUTTERS.

No. 13, 6 to 8-H. P.	Speed, 600 revolutions.
Nos. 16 or 18, 10-H. P.	" 600 "
No. 19, 16 to 20-H. P.	" 600 "

CARRIERS AND CUTTERS.

No. 13, 4 to 6-H. P.	Speed, 450 to 600 revolutions.
No. 16, 6 to 8-H. P.	" 450 to 600 "
No. 18, 6 to 10-H.P.	" 450 to 600 "
No. 19, 8 to 12-H. P.	Speed, 600 revolutions.

The power here given on cutters is applicable when cutting green Ensilage. Power for Shredders should be double that of Nos. 13, 16 and 18 plain.

PRICE LIST OF CARRIERS.

Swivel carrier, 12 feet long, for Nos. 13, 16 or 18 Cutters	$45.00
Extra length per foot, for Nos. 13, 16 or 18 Cutters	1.70
Wood cover, with hooks and eyes to fasten, for Nos. 13, 16 or 18 Cutters, per foot	.25
12-foot swivel carrier for No. 20	55.00
12-foot swivel carrier for No. 24	60.00
Additional length, either style carrier, No. 20, per foot	2.25
Additional length, either style, carrier No. 24, per foot	2.25
Wood cover, with hooks and eyes to fasten, No. 20, per foot	.35
Wood cover, with hooks and eyes to fasten, No. 24, per foot	.35
Reversible carrier, straight delivery, 12 feet long or less, for No. 11 Cutter	33.75
Straight delivery carrier, without reversible attachments	$30.25
Additional length over 12 feet, extra per foot	1.70
Straight carrier, 12 feet long, for Nos. 13, 16 and 18 Cutters	33.70
Carrier, extra, over 12 feet long, per foot	1.70
Wood cover, with hooks and eyes to fasten, per foot	.25
Straight carrier, 12 feet long, for No. 20 Cutter	40.00
Straight carrier, 12 feet long, for No. 24 Cutter	45.00
Additional length, either style carrier, No. 20, per foot	2.25
Additional length, either style carrier, No. 24, per foot	2.25
Wood cover, with hooks and eyes to fasten, No. 20, per foot	.35
Wood cover, with hooks and eyes to fasten, No. 24, per foot	.35

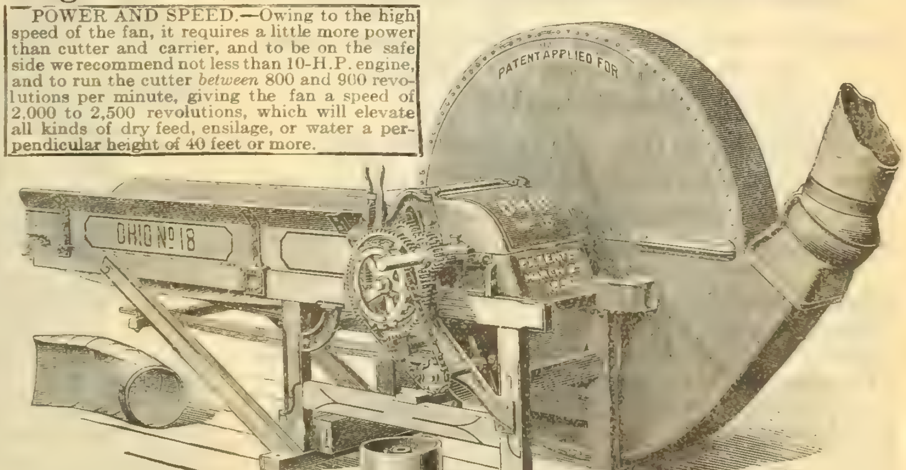
LESS 30 PER CENT. RETAIL.

"OHIO" Self-feed Ensilage Cutter, with Direct Blast Blower Elevator.

A SUCCESSFUL BLOWER ELEVATOR FOR THE STANDARD CUTTERS.

THE cut clearly outlines a new Blower or Wind Elevator in connection with the "Ohio" Standard Self-Feed Ensilage Cutter, and one that is adapted for use with the three sizes, Nos. 13, 16 and 18. The Blower is wide and stands 5½ feet in diameter, which gives ample capacity to carry away and elevate the cut ensilage as fast as these large capacity cutters will cut it.

POWER AND SPEED.—Owing to the high speed of the fan, it requires a little more power than cutter and carrier, and to be on the safe side we recommend not less than 10-H.P. engine, and to run the cutter *between* 800 and 900 revolutions per minute, giving the fan a speed of 2,000 to 2,500 revolutions, which will elevate all kinds of dry feed, ensilage, or water a perpendicular height of 40 feet or more.



CAPACITY.

No. 13, 8 to 12 tons; No. 16, 12 to 15 tons; No. 18, 14 to 20, and No. 19, 17 to 25 tons of ensilage per hour. These machines will cut all kinds of dry feed, and with blower elevator and pipe can be conveyed to any part of the barn.

SIZE OF PULLEY, POWER, SPEED AND WEIGHT.

The pulley is 14x6-inch face and is leather-covered. Power, 6 to 8-horse for No. 13 and 10-horse engine for Nos. 16 or 18. Speed, 600 revolutions per minute. Weight of No. 13, 850 lbs.; No. 16, 925 lbs.; No. 18, 965 lbs.; No. 19, 1,145 lbs. Blower and fan wings, 450 lbs.; pipe, about 4 lbs. per foot.

PRICE LIST OF CUTTERS WITH BLOWER ATTACHMENT.

No. 13 Cutter, with four 13-inch knives, cuts ½, ¾ and 1 in	$95.00
No. 16 Cutter, with four 16-inch knives, cuts ½, ¾ and 1 in	$120.00
No. 18 Cutter, with four 18-inch knives, cuts ½, ¾ and 1 in	155.00
Extra gears which will cut 4 inches long with two knives	4.00
Blower, complete, with 2-foot hood at top of pipe	75.00
10-inch galvanized pipe in 4, 6, 8 and 10-foot lengths for No. 16 or No. 18, per foot	$ 1.00
8-inch galvanized pipe in 4, 6 and 10-foot lengths for No. 13, per foot	.80
No. 19 Cutter, with four 19-inch knives, cuts ½, ¾ and 1 in	200.00
Extra gears to cut 4 inches long with two knives	5.50
Blower complete with 2-foot hood at top of pipe	75.00

LESS 30 PER CENT. RETAIL.

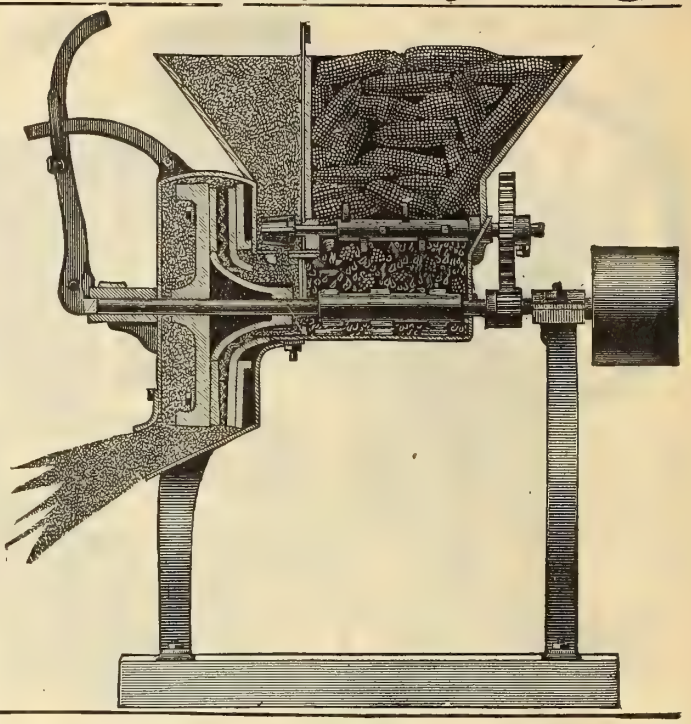
GRIFFITH & TURNER CO

GRIFFITH & TURNER POWER GRINDER.

No. 2, Large Grinder.—Burrs 14 inches in diameter. Capacity 30 to 50 bushels per hour, requiring 12 to 16 horse-power. Engine should be run 800 to 1200 revolutions per minute. Weight, 450 pounds.....**$45.00**

No. 1, Medium Grinder.—Burrs 12 inches in diameter. Capacity 20 to 40 bushels per hour, requiring 8 to 10 horse-power. Engine should be run 800 to 1200 revolutions per minute. Weight, 400 pounds.....**$40.00**

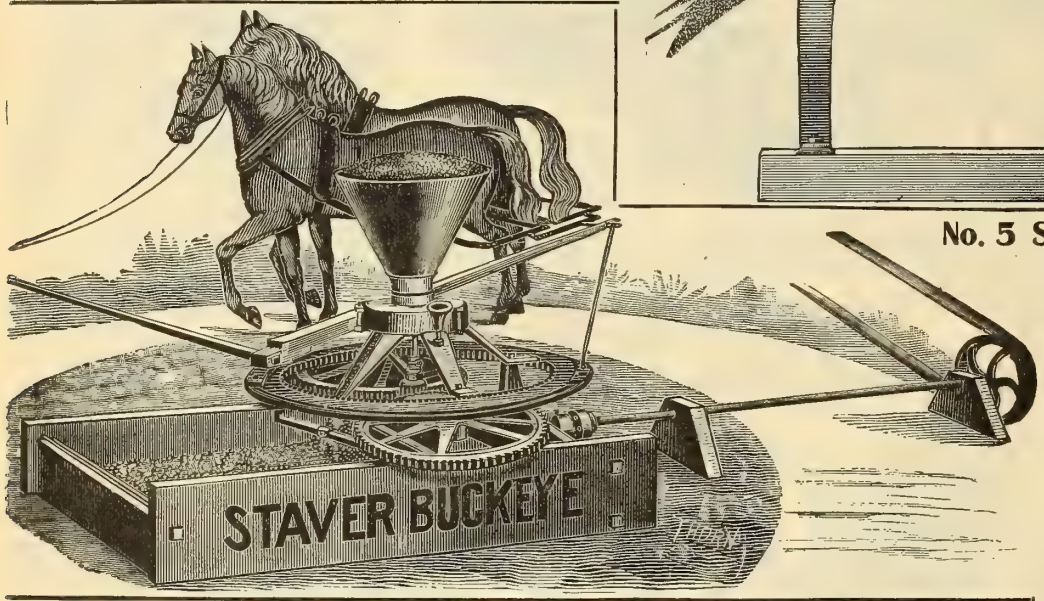
Special Discount for Cash.



The Only Mill that can be set to Regulate and Grind Successfully Ear Corn and Small Grain both at the Same Time.

No mill is complete without this desirable feature. This is accomplished by having a partition in the hopper and a feeding arrangement for each side. The main shaft is made of cold rolled steel, with good long bearings filled with an extra grade of Babbit metal. The two bearings are cast in one solid piece on the main frame, thus making it impossible for the bearings to get out of line. The shaft is carefully balanced after the fly-wheel and plate are attached, making a steady and light-running mill.

The grinding plates are made of chilled metal and steel mixed, and have the teeth shaped to give the best possible results for light draft and for not heating the meal. An extra set of grinding plates free with each Power Mill. The fly-wheel is enclosed inside the mill, just where it is most needed, and out of the way. They are well made throughout and equal to anything in the market.



No. 5 Staver Buckeye Cob Mill and Power Combined.

FOR GRINDING EAR CORN OR SMALL GRAIN.

1. A rapid-grinding Corn and Cob Mill.
2. A mill that grinds fine either Ear Corn or Small Grains without change of plates.
3. A Cob Mill, a Mill for Small Grain, and a good Two-Horse Power combined in one light-running machine.

This mill has been thoroughly tested, and never fails to give satisfaction.

Price, - $55.00, Less Special Discount for Cash.

For Extra Sweep, $4.00.

New Model Sweep Grinder.

Capacity under Ordinary Conditions, 5 to 8 bus. per Hour, Requiring 1 to 2 Horses. Weight, 400 lbs.

EVERY MILL GUARANTEED.

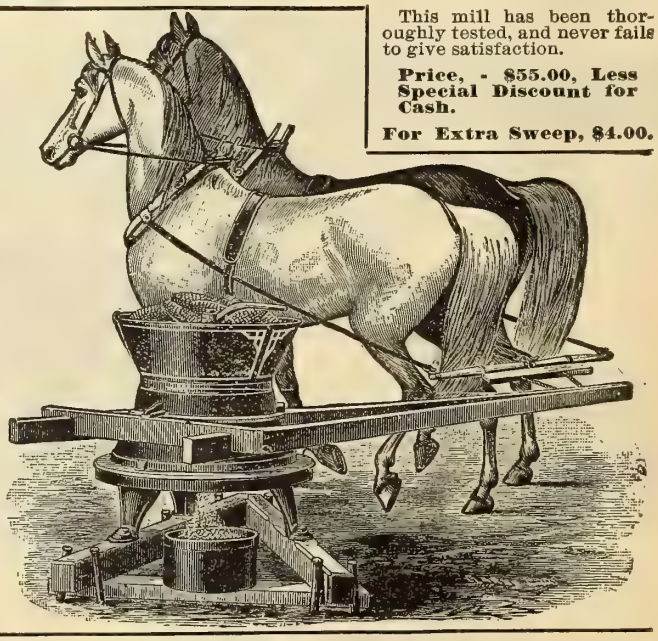
These Mills will Grind all Kinds of Grain as well as Corn with Cob, Oats, Rye, etc., Mixed.

The Grinding Rings are Made from Specially Prepared Hard White Metal, and will Grind Thousands of Bushels Without Replacing.

Every Farmer His Own Miller—Saves Your Time and Tollage—Saves its Cost in One Year—Grinds either with Cob or without Cob—The Mill will last a Life Time—No Farmer can Afford to do without One.

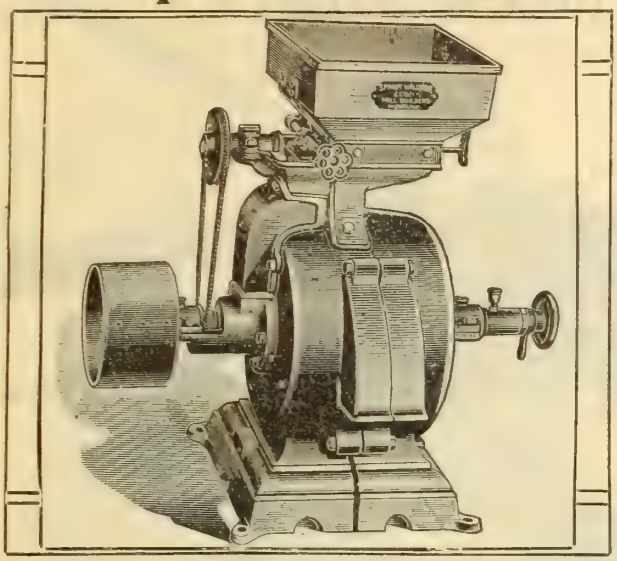
We have two sets of patterns of grinding rings or concaves for the New Model Mill—one set for fine grinding and one set for coarser, and when not specified in order, we furnish one fine and one coarse in mill, which grinds the meal medium fine and gives general satisfaction. However, when grinding meal for table use, two fine concaves are used, and when grinding for sheep or horses, two coarse concaves give best results, as they grind faster, but not as fine. The concaves are easily changed; only one set are furnished, unless otherwise ordered, and at an additional cost.

Price, - $20.00. Special Discount for Cash.



ALL KINDS OF MACHINERY REPAIRED.

The Sprout Waldron Vertical French Burr Mill.



THESE mills are heavy, strong and durable, and expensive to build, there being a large amount of machine work upon them. It will be seen by comparing the description and weight of these mills with the price list that the prices are very low for the class of work. No purchaser would be willing to have them built in a cheaper manner, or any of the improvements left off. Furnished with ball bearings, and the shells are babbitted, turned and bored. Well built and designed for farm use.

Monarch "Light Power" Mills.

WITH these mills a farmer can grind his own shelled corn, corn and cob, oats and rye, screenings, buckwheat or barley, crack corn for his chickens, or grind the finest quality of cornmeal for his table.

The burrs are genuine solid French burrs, same as used in our larger mills, carefully selected for the work they have to do. Anyone following our instructions, which are very simple, can keep the burrs and mill in good order and run the same very successfully.

Dimensions, 10-inch Mill. — Diameter burrs, 10 inches. Weight—325 pounds. Size pulley—7x4. Revolutions per minute—1,000 to 1,200. Capacity—Table meal, 2 to 4 bushels; feed meal, 4 to 8 bushels. Length—32 inches. Height—27 inches. Width—17 inches. Floor space—16x16. Height from floor to centre of spout—8½ inches. Height from floor to centre of shaft—10 inches.

PRICE—List, $100.00. Retail, $54.00.

Twelve-inch Monarch Standard French Burr Mill.

Dimensions.—Length over all, 49 inches; width over all, 24 inches; height over all, 32 inches; distance from floor to centre of shaft, 13 inches; floor space base occupies, 20x39 inches; driving pulley, 8 inches diameter, 5 inches face, covered with leather. Weight, 500 pounds.

Speed, Capacity, Etc.—1,000 to 1,200 revolutions per minute. Capacity, 5 to 7 bushels of table meal, 12 to 15 bushels feed meal, per hour. Power required, 4 to 6 horsepower.

PRICE—List, $125.00. Retail, $67.50.

Sixteen-inch Monarch Standard French Burr Mill.

Dimensions.—Length over all, 56 inches; width over all, 25 inches; height over all, 39 inches; distance from floor to centre of shaft, 15 inches; floor space base occupies 22x45 inches; driving pulley, 10 inches diameter, 6 inches face; covered with leather. Weight, 800 pounds.

Speed, Capacity, Etc.—1,000 revolutions per minute. Capacity—10 to 12 bushels fine table meal, 20 to 25 bushels feed meal, per hour. Power required, 6 to 10 horsepower.

PRICE—List, $180.00. Retail, $97.25.

Twenty-inch Monarch Standard French Burr Mill.

Dimensions.—Length over all, 67 inches; width over all, 27 inches; height over all, 41 inches; distance from floor to centre of shaft, 16 inches; floor space base occupies 24x54 inches; driving pulley, 12 inches diameter, 8 inches face; covered with leather. Weight, 1,350 pounds.

Speed, Capacity, Etc.—900 revolutions per minute. Capacity—15 to 20 bushels fine table meal, 40 to 50 bushels feed meal, per hour. Power required, 10 to 15 horsepower.

PRICE—List, $250.00. Retail, $135.00.

Twenty-four-inch Monarch Standard French Burr Mill.

Dimensions.—Length over all, 70 inches; width over all, 32 inches; height over all, 48 inches; distance from floor to centre of shaft, 17 inches; floor space base occupies 27x57 inches; driving pulley, 16 inches diameter, 8 inches face; covered with leather. Weight, 1,800 pounds.

Speed, Capacity, Etc.—800 revolutions per minute. Capacity—20 to 25 bushels fine table meal, 60 to 70 bushels feed meal, per hour. Power required, 15 to 25 horsepower.

PRICE—List, $320.00. Retail, $172.80.

Thirty-inch Monarch Standard French Burr Mill.

Dimensions.—Length over all, 70 inches; width over all, 39 inches; height over all, 54 inches; distance from floor to centre of shaft, 20 inches; floor space base occupies 30x53 inches; driving pulley, 20 inches diameter, 8 inches face; covered with leather. Weight, 2,500 pounds.

Speed, Capacity, Etc.—750 revolutions per minute. Capacity—25 to 30 bushels fine table meal, 70 to 100 bushels feed meal, per hour. Power required, 20 to 25 horsepower.

PRICE—List, $420.00. Retail, $226.80.

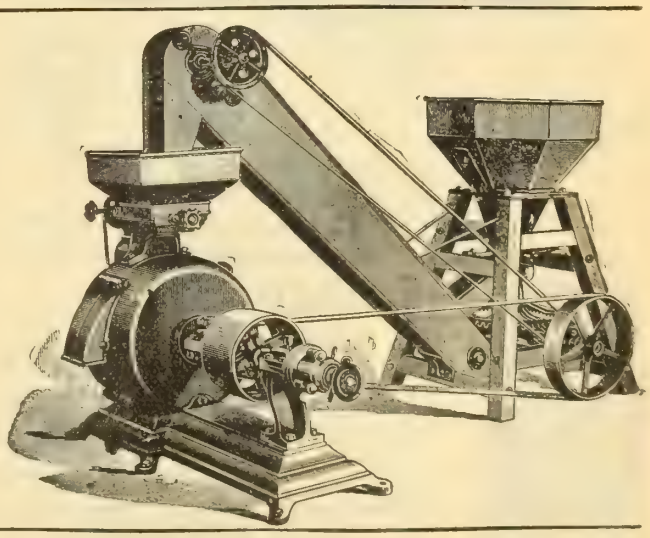
Combined Monarch Corn and Cob Outfit.

ESPECIALLY ADAPTED FOR FARMERS AND THRESHERMEN.

The accompanying illustration represents the mill and an improved crusher combined. The crusher is driven from the mill spindle by a 3-inch belt. The crushed corn is carried to the mill hopper by an elevator, saving extra handling. This makes a very handy combined mill, the crusher requiring very little power, and need only be run while grinding ear corn, and can be stopped or started at any time while the mill is in motion. The most successful combined burr stone mill ever offered to the trade.

The cut shows mill and crusher combined on all of the sizes except the special 12-inch mill, for light power, that being constructed slightly different.

Write for Special Prices on Mill and Crusher combined.



Rubber Belting for Agricultural and Other Machinery.

THREE AND FOUR PLY.

SEE PAGE 120.

Sizes—3, 3½, 4, 4½, 5 and 6 inches.

Prices on Application.

PRICES MILL AND CRUSHER COMBINED.

			Retail.	List.
12-inch Mill,	No. 1 Crusher	combined	$108.00	$200.00
16-inch "	No. 1 "	"	138.25	256.00
20-inch "	No. 1 "	"	175.00	324.00
20-inch "	No. 2 "	"	189.00	350.00

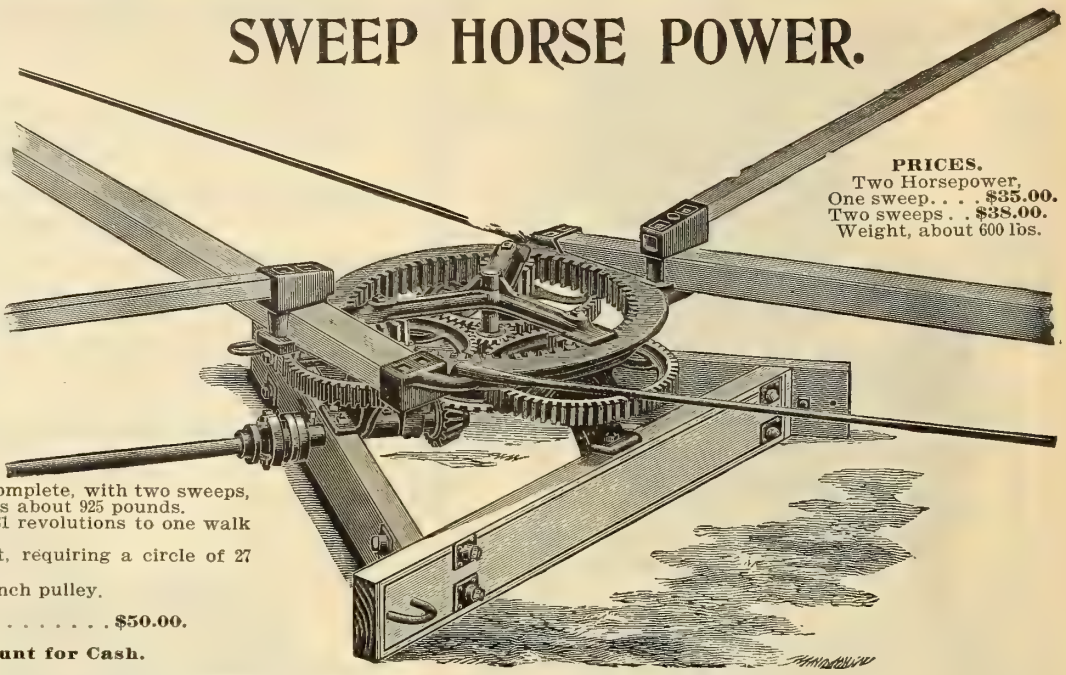
FLOOR SPACE.

12-inch Mill,	No. 1 Crusher,	occupies	86x46 inches.
16-inch "	No. 1 "	"	90x54 "
20-inch "	No. 1 "	"	102x67 "
20-inch "	No. 2 "	"	104x67 "

GRIFFITH & TURNER CO.

SWEEP HORSE POWER.

A perfect working, triple-geared power; furnished with 20, 22 or 24-inch pulley, with 5½-inch fall, complete with sweeps, lead bars and draw rods. On two-horsepowers the tumbling rod makes 58 revolutions to one turn of the horses, or a speed of 200 revolutions per minute. Weight, about 600 pounds.



PRICES.
Two Horsepower,
One sweep. . . . **$35.00.**
Two sweeps . . **$38.00.**
Weight, about 600 lbs.

Four Horse Sweep Power.

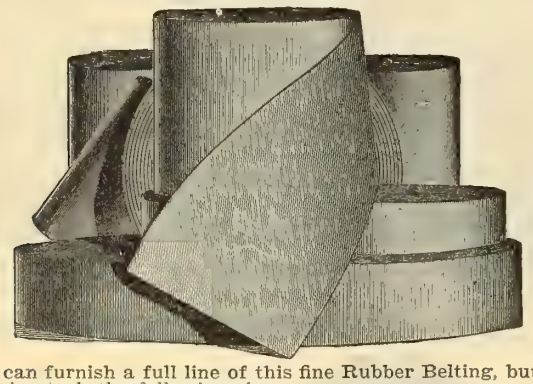
Weight of power when complete, with two sweeps, tumbling rod and pulley, is about 925 pounds.
Speed of tumbling rod—81 revolutions to one walk of horses.
Length of sweep, 12 feet, requiring a circle of 27 feet diameter.
Furnished with 20 or 24-inch pulley.

PRICE . . . . . $50.00.

Special Discount for Cash.

RUBBER BELTING,

For Agricultural and Other Machinery.



We can furnish a full line of this fine Rubber Belting, but only carry in stock the following sizes:

	List. Per Foot.	Retail. Per Foot.
3-inch, 3-ply	26c.	12c.
4-inch, 4-ply	42c.	19c.
5-inch, 3-ply	43c.	20c.
5-inch, 4-ply	52c.	24c.

Special Prices for Cash.

LACING FOR BELTING.

⅜-inch . . . . . 1½c. per foot. ½-inch . . . . . 2c. per foot.

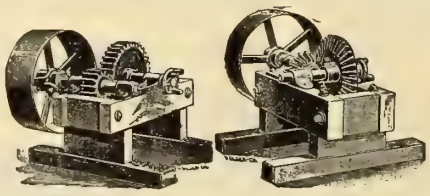
Special Prices in Quantities.

Agricultural Suction Hose.

Specially designed for use on our Faultless Low-Down Force Tank Pumps, see page 134. This hose is composed of good rubber on the exterior; the interior having a galvanized, flat spiral wire to give the hose the required rigidity, and prevent it from collapsing. The ends, for about 6 inches, are of soft rubber, without the wire, for the purpose of enabling the operator to fasten securely together. Made in two 10-foot sections. This hose is used for all suction purposes, such as draining cellars, cisterns, etc.

PLAIN BORE, GALVANIZED, FLAT SPIRAL WIRE.
40c. per foot.

SPUR AND BEVEL GEAR JACKS.

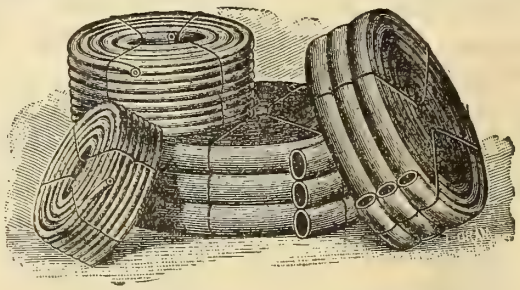


This machine is intended to increase speed and transmit power by belt. The spur gear transmits the motion at a right angle with the tumbling rod, and the bevel gear transmits it in a line with tumbling rod.

PRICE . . . . . $10.00.

Special Discount for Cash.

RUBBER HOSE.



TRIX—3-PLY 3/4-INCH HOSE.
This is a moderate-pressure Hose, and for the purpose for which it is intended is one of the best on the market, and will give satisfaction.
PRICE . . . . . 8c. per foot.

ORIOLE—3-PLY 3/4-INCH HOSE.
A good general-purpose Hose, but a grade better than the above. Will stand 100 lbs. pressure.
PRICE . . . . . 10c. per foot.

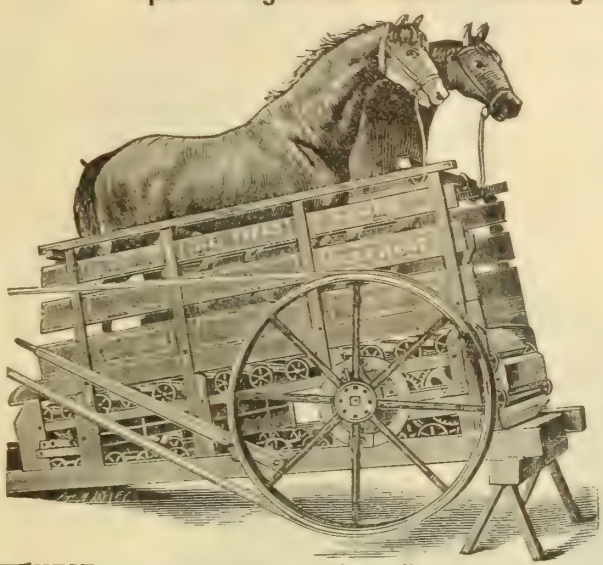
G. & T. EXTRA—3-PLY 3/4-INCH HOSE.
As its name implies, this is an extra quality and will stand 125 lbs. pressure. A general favorite with florists and gardeners.
PRICE . . . . . 12c. per foot.

CREST—3-PLY 3/4-INCH HOSE.
This is strictly a first-class Hose, and is made to stand 200 lbs. pressure.
PRICE . . . . . 15c. per foot.

GRIFFITH—5-PLY 3/4-INCH HOSE.
This is the best Hose we handle. It is made from high-grade material, and will stand 500 lbs. pressure.
PRICE . . . . . 16c. per foot.

GRIFFITH & TURNER CO.'S THRESHERS AND TREAD POWERS.

Two-Horse Level Tread Power
Speed Regulator Roller Bearings.



THESE are much superior to the incline or common tread powers, in that they are not injurious to the horse's ankles, and horses with caulks and toes on shoes are sure to cut out the tread plank in a very little time. This is quite an item of expense, but in these powers the animals may be used either barefooted or with smooth shoes.

Owing to the introduction of Roller Bearings, these machines can be set at a lower elevation than other makes, and at the same time give about 20 per cent. increase in the amount of speed developed, and allowing the animals to walk not more than a mile and a half an hour.

The speed regulator, attached to the main shaft, is the most successful device ever employed to control the speed of a power and make it entirely safe. It can be adjusted to run the power any desired speed. By the use of this regulator these powers can be used to successfully operate any kind of machinery.

We can furnish the common or incline tread powers if wanted. They are not made of cheap materials, but of the first quality. The price is a consideration in some instances. Can furnish both the over-shot and under-shot powers.

For anything in the line of farm machinery, except the over-shot threshers, we recommend the double-geared under-shot powers.

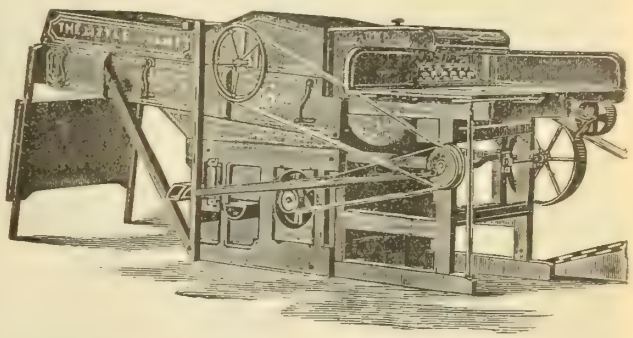
The Little Giant Thresher and Cleaner.

THIS MACHINE is made in two sizes; the No. 1, for two and three-horse level tread powers, four to six-horse lever powers, or six-horse engine. The cylinder is 17x30 inches, and weight 1700 pounds.

The No. 2, for two-horse level tread power, four-horse lever or six-horse engine. The cylinder is 17x26 inches and weight 1425 pounds. Both machines are so constructed that they can be run from either side, the change being made easily and quickly.

The Shaft is of Best Quality Steel and suitable size. The bars are of steel, 1¼x⅝ inches, made to order, and are perfectly true. The teeth are driven through square holes, having square shoulders in wedge shape and held secure by a strong nut. The cylinder is then balanced, so that it can be run at a high speed without thumping or jarring.

The Concave is Strong and Safe. It is important that the concave be strong. This consists of an iron bed plate, into which is fitted a wood bolster two inches thick. The teeth have square shoulders and pass through square holes into the iron bed plate, then through the wood bolster, and made secure by strong nuts. When a hard substance gets into the machine the concave will rise, and thus prevent breakages. The concave can be raised or lowered while the machine is in motion by means of a hand



screw, which is easily turned, and within reach of the operator.

The Shaker or Separator. A properly constructed separator is a very important item in threshing machines. With the upper bottom, which is of galvanized sheet steel, perforated with half-round holes through which the chaff is quickly separated from the straw and a series of beater forks used to beat the straw from the under side, as it passes out of the machine, the separation is made complete.

The Self-Adjusting Wind Regulator; Patent Revolving Apron; the **Patent Duster,** which carries the dust off with the straw; the shoe and sieves, all combined, make this the most complete shaker and separator on the market today.

PRICE LIST—DELIVERED ON CARS AT FACTORY.

LEVEL-TREAD POWERS WITH LITTLE GIANT THRESHER AND CLEANER.

	List Price.
Three-horse Direct-geared Level-Tread, with Speed Regulator, Trestle and Bridge, with No. **1** Little Giant Thresher and Cleaner, Wrenches, Belts, Oiler, etc., complete for threshing and cleaning grain	$365 00
The same mounted on wheels	470 00
The same also with Mountings, Tailings Elevator, **16** feet Straw Stacker and Elevating Jack	520 00
Two-horse Double-geared Level-Tread Power (*), with Speed Regulator, Trestle and Bridge, with No. **2** Little Giant Thresher and Cleaner, Wrenches, Belts, Oiler, Dogs, etc., complete for threshing and cleaning grain	300 00
The same mounted on wheels	390 00
The same also with Mountings, Tailings Elevator, **14** feet Straw Stacker and Elevating Jack	435 00
Two-horse Direct-geared Level-Tread Power (*), with Speed Regulator, Trestle and Bridge, with No. **2** Little Giant Thresher and Cleaner, Wrenches, Belts, Oiler, Dogs, etc., complete for threshing and cleaning grain	290 00
The same mounted on wheels	380 00
The same also with Mountings, Tailings Elevator, **14** feet Straw Stacker and Elevating Jack	425 00
One-horse Double-geared Level-Tread Power (*), with Speed Regulator, Trestle and Bridge, with No. **3** Pennsylvania Thresher and Cleaner, Wrenches, Belts, Oiler, Dogs, etc., complete for threshing and cleaning grain	210 00
One-horse Direct-geared Level-Tread Power (*), with Speed Regulator, Trestle and Bridge, with No. **3** Pennsylvania Thresher and Cleaner, Wrenches, Belts, Oiler, Dogs, etc., complete for threshing and cleaning grain	195 00

(*) If wanted with Roller Bearings, add $5.

LEVEL-TREAD POWERS, WITH THRESHER AND SHAKER.

Two-horse Double-geared Level-Tread Power (*), with Speed Regulator, Trestle and Bridge, with Thresher and Shaker Belt, Wrench, Oiler, Dogs, etc.	$205 00
Two-horse Direct-geared Level-Tread Power (*), with Speed Regulator, Trestle and Bridge, with Thresher and Shaker Belt, Wrench, Oiler, Dogs, etc.	190 00
One-horse Double-geared Level-Tread Power (*), with Speed Regulator, Trestle and Bridge, with Thresher and Shaker Belt, Wrench, Oiler, Dogs, etc.	150 00
One-horse Direct-geared Level-Tread Power (*), with Speed Regulator, Trestle and Bridge, with Thresher and Shaker Belt, Wrench, Oiler, Dogs, etc.	135 00

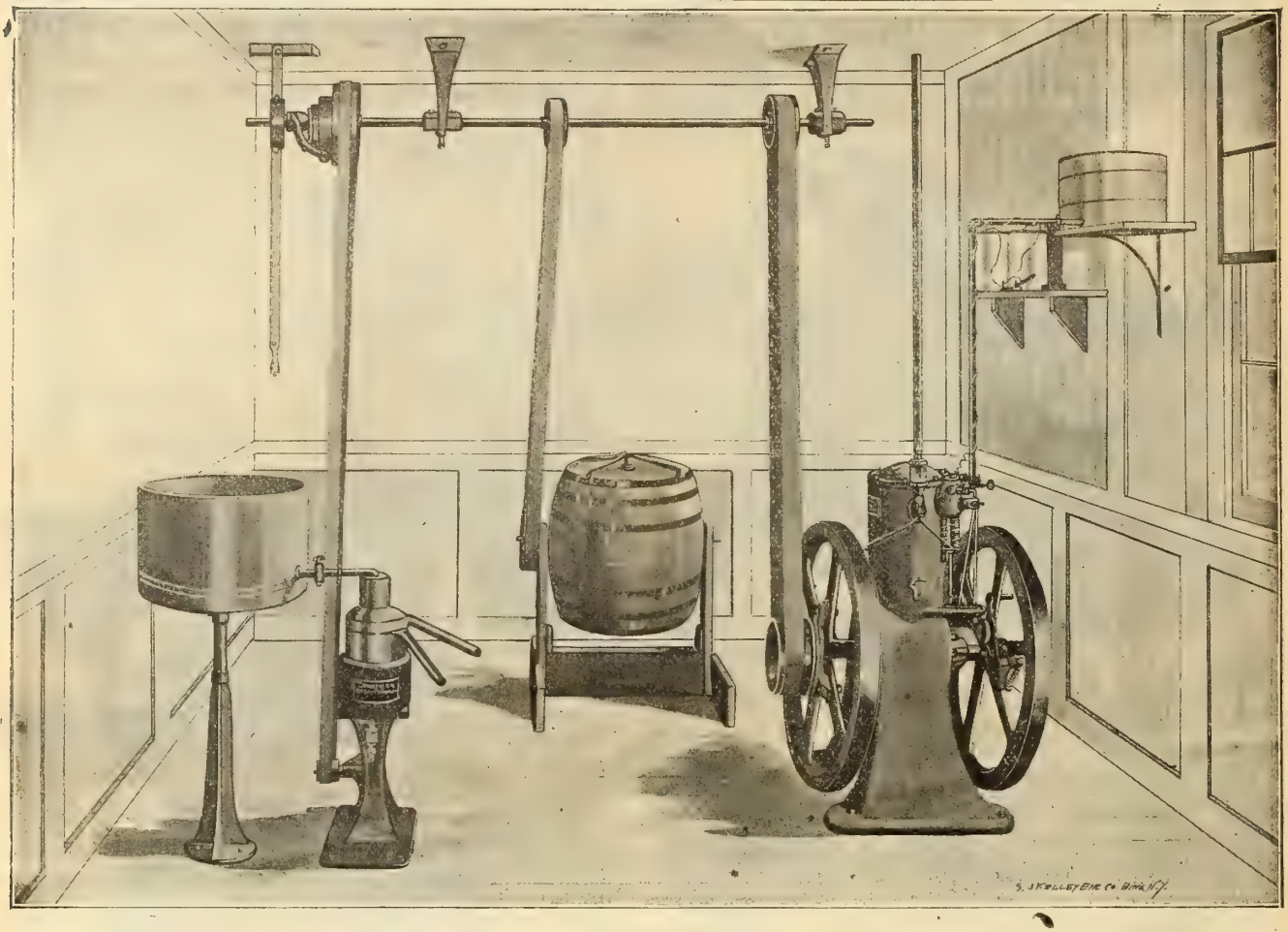
LEVEL-TREAD POWERS.

Three-horse Direct-geared Level-Tread Power, with Speed Regulator, Trestle and Bridge	$185 00
Two-horse Double-geared Level-Tread Power (*), with Speed Regulator, Trestle and Bridge	140 00
Two-horse Double-geared Undershot Level-Tread Power, with Speed Regulator, Trestle and Bridge	135 00
Two-horse Direct-geared Level-Tread Power (*), with Speed Regulator, Trestle and Bridge	130 00
Two-horse Common-Tread Power, with Speed Regulator, Trestle and Bridge	95 00
One-horse Double-geared Level-Tread Power (*), with Speed Regulator, Trestle and Bridge	100 00
One-horse Double-geared Undershot Level-Tread Power (*), with Speed Regulator, Trestle and Bridge	90 00
One-horse Direct-geared Level-Tread Power (*), with Speed Regulator, Trestle and Bridge	85 00
One-horse Common or Incline Tread Power, with Speed Regulator, Trestle and Bridge	80 00

LITTLE GIANT AND PENNSYLVANIA GRAIN THRESHERS.

No. **1** Little Giant Thresher and Cleaner, 30-inch cylinder, and small belts	$180 00
No. **2** Little Giant Thresher and Cleaner, 26-inch cylinder, and small belts	150 00
No. **3** Pennsylvania Thresher and Cleaner, 31-inch cylinder, and small belts	110 00

All of the Above Subject to Special Discount.



RUMSEY=WILLIAMS GAS and GASOLINE ENGINES

They are especially designed for farmers for **Threshing, Sawing Wood, Running Ensilage Cutters, Grinding Grain, Pumping Water, Running Dairy Outfits** and many other uses. Far superior to steam or horse power, as they do not require attention after starting and always developing their full power. They are the **latest, most original, most compact** and **simplest Engines** of their kind on the **market.** Everything in sight and easy of access. Do not require the services of an engineer.

The Igniter combines simplicity and perfect working. No expensive platinum points or delicate adjustments. It is located in the inlet Valve Chamber, which always remains cool. There is no igniter on any gas Engine built that is superior.

All portable and large-sized Engines are furnished with a dynamo and the smaller sizes with Edison Leland Batteries.

The Valve Chamber is independent of the Cylinder Casting.

The Governor has but two moving parts acting indirectly by centrifugal force upon the Exhaust Valve.

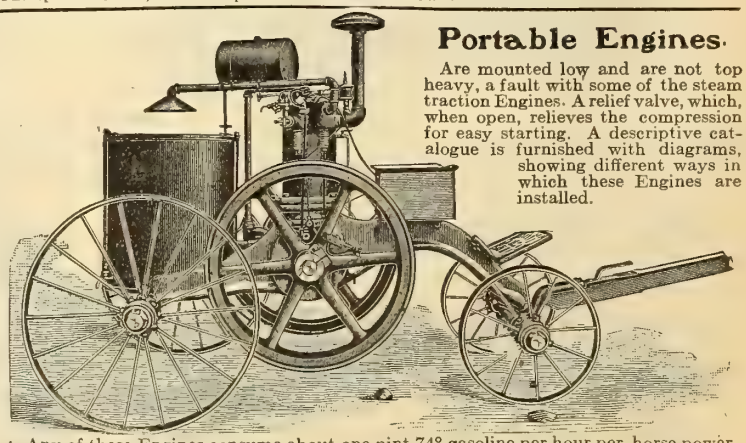
The Main Bearings are made of high grade magnolia babbitt. They are extra long and of large diameter, which adds to the life of the machine. The cost of operating is nominal, compared with electric or steam power. No possible danger from fire.

The Counter Shaft Friction Clutch and Lever is especially designed to be used in connection with the small sized Engines, belting direct from the Engine to the friction clutch pulley. With this arrangement it is much easier to start the Engine when the clutch is thrown out, disconnecting the machinery. Shifting levers are not furnished with clutches without special order, as some prefer to make their own.

STATIONARY ENGINES.

RETAIL PRICES SUBJECT TO SPECIAL DISCOUNT.

Horse Power, H. P. developed varies according to speed.	Revolutions per minute.	Standard diameter driving pulleys. Sizes can be ordered to suit requirements.	Total weight of Engine.	Floor space.	Retail price.
2	350 to 450	6 inch	500 lbs.	16x20	**$130.00**
3	300 to 350	8 "	800 "	20x28	**170.00**
5	250 to 300	10 "	1,300 "	24x30	**275.00**
8	200 to 250	14 "	2,000 "	27x38	**480.00**
12	200	20 "	3,200 "	34x45	**640.00**
15	180 to 200	20 "	3,400 "	34x45	**800.00**
PORTABLE.					
8	225 to 250	28 inch	2,700 lbs.	.....	**$560.00**
12	200	36 "	4,200 "	.....	**760.00**
SEMI-PORTABLE.					
3	300 to 350	8 to 14 in.	1,100 lbs.	.....	**$240.00**
5	250 to 300	10 to 16 "	1,500 "	.....	**320.00**



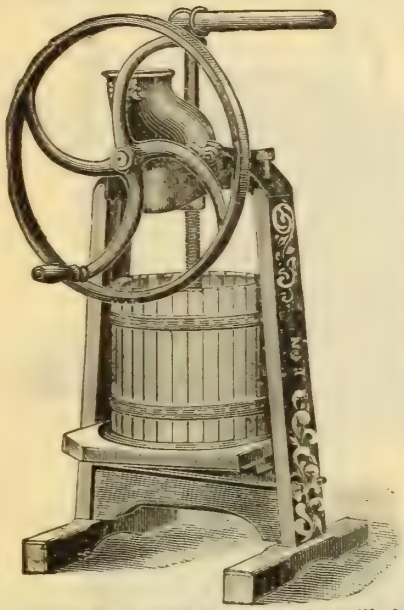
Portable Engines.

Are mounted low and are not top heavy, a fault with some of the steam traction Engines. A relief valve, which, when open, relieves the compression for easy starting. A descriptive catalogue is furnished with diagrams, showing different ways in which these Engines are installed.

* Any of these Engines consume about one pint 74° gasoline per hour per horse power and from 16 to 18 cubic feet of gas per horse power per hour, according to quality.

GRIFFITH & TURNER CO

CIDER MILLS AND PRESSES.



THIS is a very handy little mill for making a small quantity of cider, 5 or 10 gallons at a time. All of the juice of the apples can be gotten out, but not so rapidly as with the other styles on this page. It is really intended more for grinding grapes and other small fruit for wine, and is so constructed as not to crack the seed.

No. 0—Single Cage Mill . . . **$9.50**
" 1— " " " . . . **10.50**

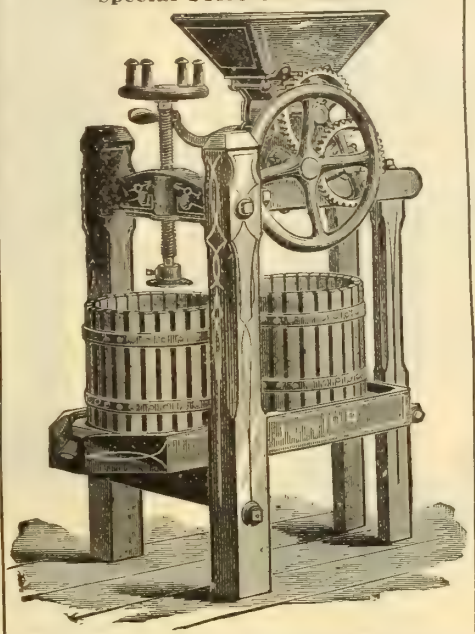
Special Discount for Cash.

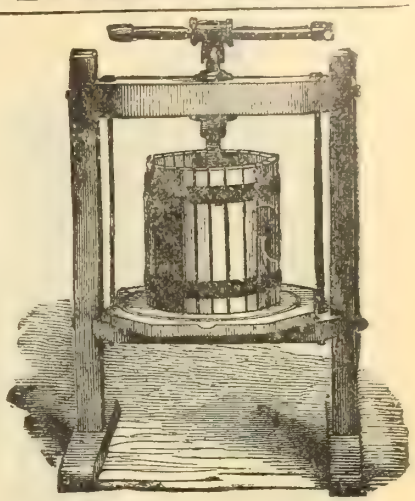
"Junior" Hand Cider Mill.

THIS Mill is almost identical with the "Medium" and "Senior," except it is smaller, and it has only one handle. In the preparation of the pomace for cider, it is the same in all its parts.

Price **$15.00**

Special Price for Cash.



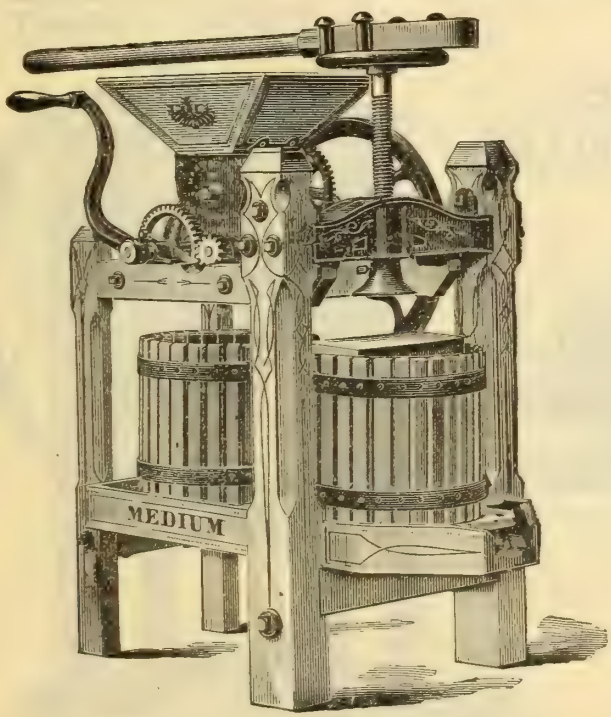


Berry Press

THIS little press is for the purpose of expressing the juice of grapes and other small fruits for wine making. Strong and substantial. Made of oak staves securely bound with a rivet in each stave. Frame of oak and securely ironed, and will stand great pressure.

Berry Presses No. 1. . . . . **$4.50**
" " " 2. . . . . **5.25**
" " " 3. . . . . **7.25**

Special Discount for Cash.

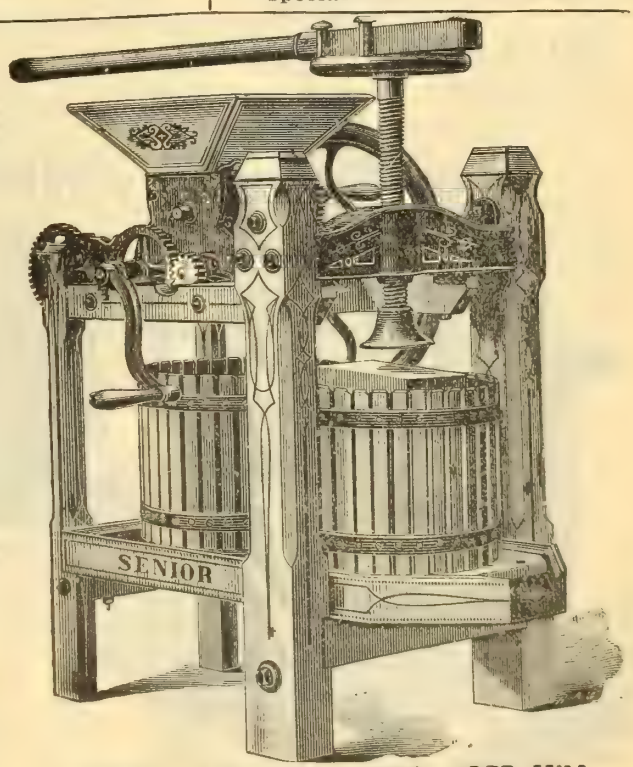


"Medium" Hand Cider Mill.

A compromise between the "Junior" and "Senior," and a general favorite. Has only one handle.

Price **$18.00**

Special Price for Cash.



"SENIOR" HAND AND POWER CIDER MILL.

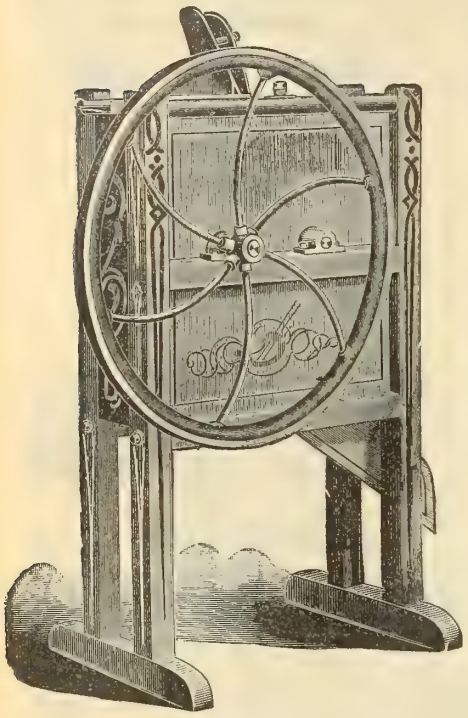
THIS is our largest sized Mill, adapted for hand or power, with a detachable handle on either side. The top set of rolls first mash the fruit fine, and the bottom set grinds it, thoroughly breaking all the cells, so that the cider is entirely extracted. These mills produce more cider to a given quantity of apples than any other Mill on the market.

Price **$22.50**

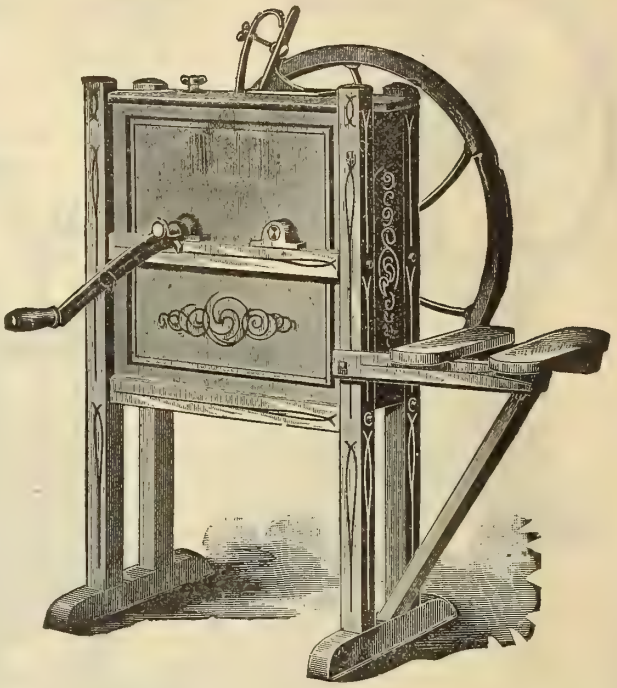
Special Discount for Cash.

GRIFFITH & TURNER CO

BALTIMORE SHELLERS.



Note:—Nos. 6 and 5 have same Capacity, but in No. 6 Corn and Cobs run together, and in No. 5 they are separated.



NO. 6.

Runs shelled corn and cobs together. Capacity, 125 bushels per day.

Price Plain Sheller.....$5.50.

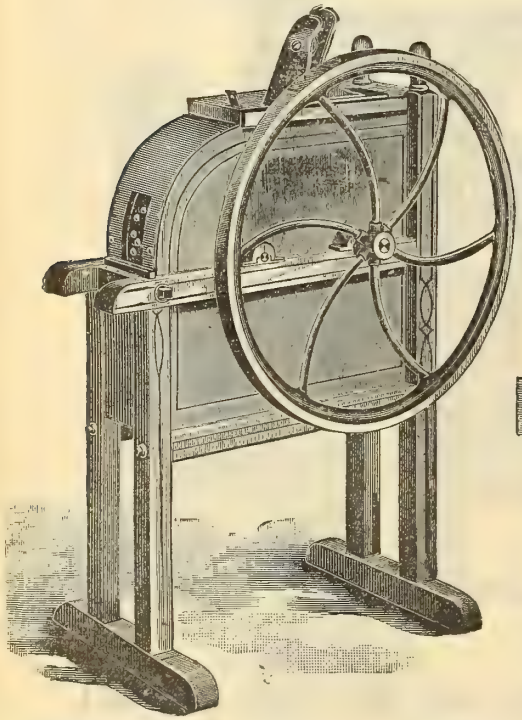
NO. 5,

Capacity, 125 bushels per day; single spout; left hand.

Without basket holder..... $6.00.

Basket holder extra..... 60.

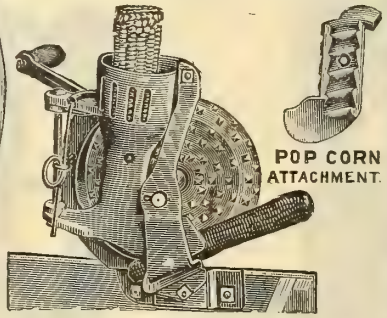
NO. 3 SINGLE SPOUT.



Separates corn and cob. Fan will clean corn for market. Corn discharged beneath Sheller, cobs at end. Easily adapted for large or small ears. Capacity, 125 bushels a day.

Plain.....$6.50 With Fan..... $7.00.

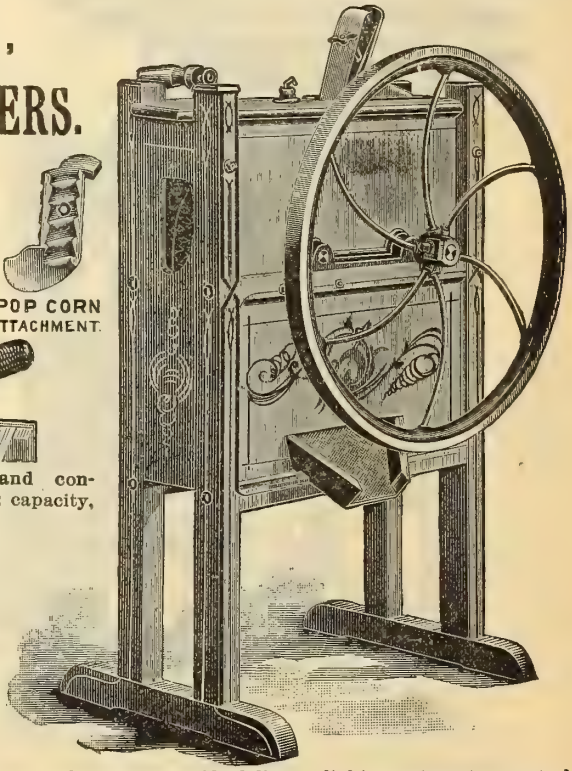
"EASY" CORN SHELLERS.



Simple, cheap, strong and convenient. Weight, 15 lbs.; capacity, 8 to 10 bushels per hour.

PRICE $1.50.

NO. 4 SINGLE SPOUT.



Screens corn; side delivery; light running; strong steel shafts. Capacity, 125 bushels a day.

Plain..... $6.50.

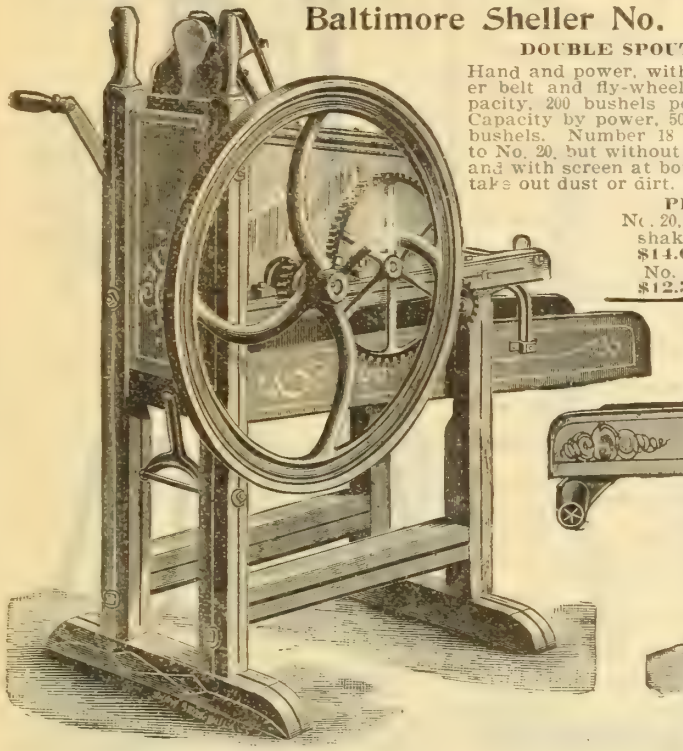
Corn Shellers and Fanning Mills.

Baltimore Sheller No. 20.

DOUBLE SPOUT.

Hand and power, with shaker belt and fly-wheel. Capacity, 200 bushels per day. Capacity by power, 500 to 600 bushels. Number 18 similar to No. 20, but without shaker and with screen at bottom to take out dust or dirt.

PRICE—
No. 20, with shaker, **$14.00.**
No. 18, **$12.50.**

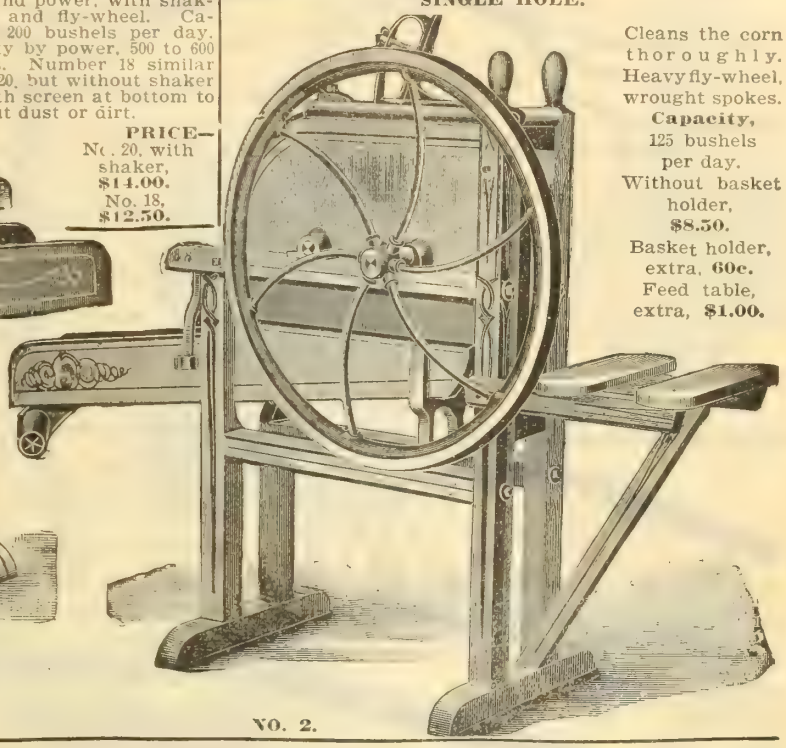


No. 20.

Baltimore Sheller No. 2.

SINGLE HOLE.

Cleans the corn thoroughly. Heavy fly-wheel, wrought spokes. **Capacity,** 125 bushels per day. Without basket holder, **$8.50.** Basket holder, extra, **60c.** Feed table, extra, **$1.00.**

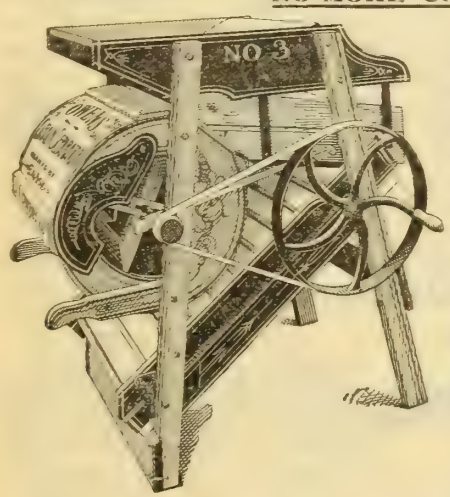


NO. 2.

OWENS'

WHEAT CLEANER AND COCKLE SEPARATOR.

NO MORE COCKLE.



The Owens takes out more Cockle and foul seeds than any other FAN made: Increases price of Grain 10% to 20%.

It has given perfect satisfaction wherever tried. It is a perfect cleaner of Oats, Barley, Peas, Beans, Clover, Timothy, Millet, Alfalfa, and for removing Cheat and Cockle out of Wheat. It will separate Mustard and all foul seeds from Flax, etc.

We furnish the Owens Automatic Force Feeder with all mills. All of these Mills are end shake, with the exception of No. 20, which is side shake.

NO. 3 FARM MILL.

Capacity, 30 to 40 bushels per hour. This Mill separates all foul seeds from wheat, oats and barley, especially mustard. Will also clean flax from all foul seeds, as well as clean all kinds of grass seed.

Price . . . . . **$18.50.**

Special price for cash.

NO. 3½ FARM MILL.

Capacity, 40 to 60 bushels per hour. Has all the merits of the No. 3, but has greater capacity and easier to operate, owing to its being made lower. It will also separate oats from wheat better than any other make of Mills.

Price . . . . . **$21.50.**

Special price for cash.

NO. 5 FARM MILL.

Capacity, 60 to 80 bushels per hour. This Mill is larger than No. 3 and requires more power.

Price . . . . . **$24.50.**

Special price for cash.

NO. 20—SIDE SHAKE.

This Mill is much larger than the others, and is used more especially for warehouse purposes. It has the slatted canvas principle of the other styles. Capacity, 80 to 100 bushels per hour.

Price . . . . . **$27.50.**

Special price for cash.

OWENS' LEADER No. 1.

SEED, GRAIN AND BEAN CLEANER, SEPARATOR OF COCKLE, BUCKWHEAT AND MUSTARD.

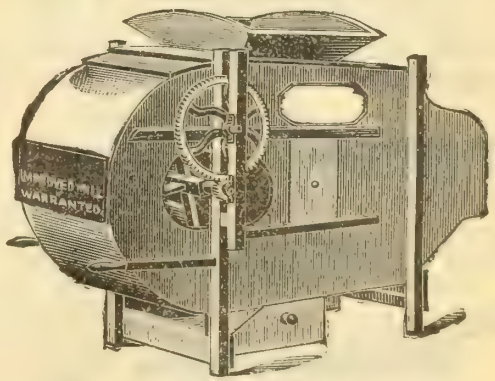
Capacity, 40 to 50 Bushels per Hour. **PRICE—$28.50.**

Special price for cash.

The sieves are made of best zinc, and screens of best steel-pressed wire, furnished with Force Feed End Shake, and the best Vertical Blast ever constructed. It works in all kinds of grains and seeds without any attachments. It has an adjustable Blast Shaft, so as to increase or diminish the force of the blast without increasing or diminishing the speed of the Fan.

Made in four sizes for hand and power.

THE BALTIMORE IMPROVED GRAIN FAN.



GOOD GENERAL PURPOSE MILL.

Side Shake.

Will clean from 60 to 100 bushels per hour. Made of best material and finished in a neat and tasty manner.

Price . . . . . **$18.00.**

Special price for cash.

GRIFFITH & TURNER CO.

FORKS AND RAKES.

Silver Polish. Damascus Temper.

FIG. 7.

HAY FORKS.

No. 345 or 026—Two-tine hay, strap ferrule, straight 6 ft. handle, retail price ..... 50c. each.
No. 341 or 035½—Three-tine hay, strap, 5½ ft., straight handle, retail price... 60c. each.
No. 141 or 35½—Three-tine hay, common or plain, 5½ ft., straight handle, retail price ..... 50c. each.
Seven or eight foot Handle Forks, extra.

STEEL RAKES.

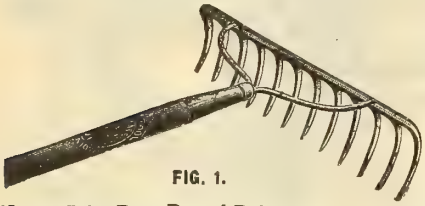


FIG. 1.

No. 4—Prize Bow, Braced Rake, solid steel, 13 teeth, retail price..... 60c. each.
No. 6—Prize Bow, Braced Rake, solid steel, 15 teeth, retail price..... 75c. each.

FIG. 9.

MANURE FORKS.

No. 404½—Four-tine Manure, long handle, strap ferrule, retail price.... 60c. each.
No. C 44½—Four-tine Manure, retail price ..... 50c. each.
No. 44½—Four-tine Manure, long handle, common ferrule, retail price. 50c. each.
No. 23—Oval Four-tine, light, not strapped ..... 50c. each.
No. 124—Four-tine, patent locked, strapped ..... 60c. each.
No. 605—Five-tine, strapped, long handle ..... 85c. each.
No. 606—Six-tine, strapped, long handle .....$1.00 each.
No. 1106—Pat. locked, extra heavy, full polished, strapped..... 75c. each.
No. C 04 D—"Champion" four-tine, Mall. D handle, strapped..... 65c. each.
No. 24½—D handle, four-tine..... 50c. each.
No. 105½—D handle, four-tine, strapped 75c. each.
No. 107½—D handle, four-tine, cap ferrule ..... 65c. each.
No. 505½—D handle, five-tine, cap ferrule ..... 85c. each.
No. 506½—D handle, six-tine, cap ferrule .....$1.00 each.
No. 62—Four-tine, diamond tine, heavy, Mall. D handle .....$1.00 each.

FIG. 10. FIG. 11.

SPADING FORKS.

Fig. 10—No. 170—Pat. Locked Spading Forks, extra heavy, strap ferrule. 90c. each.
No. S D—"Columbia" solid Socket, ang. tine, heavy Mall. D handle..... 90c. each.
No. 177½—Four-tine, ang. back..... 75c. each.
No. 27½ or L ½ O D—Medium weight, ang. tine, Mall. D handle, strap ferrule ..... 75c. each.
No. B 4—Boys' four-tine ..... 50c. each.

FIG. 2.

No. 210—"Peerless" Shank, braced solid steel, 10 in.....40c. each.
No. 212—"Peerless" Shank, braced. solid steel, 12 in.....45c. each.
No. 214—"Peerless" Shank, braced, solid steel, 14 in..... 50c. each.
No. 216—"Peerless" Shank, braced, solid steel, 16 in.....55c. each.

Each Rake is made of ONE PIECE of solid steel; no iron; no welding. They are hardened, oil tempered and beautifully finished.

The Boss Garden Rake.

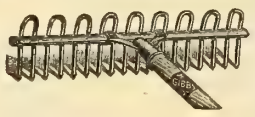


Fig. 3. Strong, All-Steel, Tinned, Cheap.

No. 18—15¾ inch head, 18 steel pointed teeth..... 40c. each.
Boss 6-Tooth Weeder ..... 25c. each.

Fig. 12.—No. 1010 or S 10—Ten tine, scoop shape, Mall. D handle, strap ferrule .....$1.50 each.
No. 1012 or S 12—Ten tine, scoop shape, Mall. D handle, strap ferrule. $1.75 each
Especially for handling Beets, Onions, Apples, Corn, etc. Tine points are flattened and rounded, so as not to injure Potatoes, etc.
No. 814 or 44—Coke Forks, 14 tine, D handle, strap ferrule.....$1.85 each.
No. 710 or 101—Ten tine, D handle, stone forks .....$1.50 each.

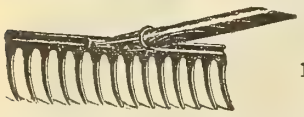
FIG. 12.

Special Prices in Quantities on all Forks.

MALLEABLE RAKES.

	Retail Price.
No. 111—Heavy Single Shank, Malleable Rake	15c. each.
No. 113—Heavy Single Shank, Malleable Rake	20c. each.
No. 115—Heavy Single Shank, Malleable Rake	25c. each.
No. 117—Heavy Single Shank, Malleable Rake	25c. each.
No. 13—Heavy Braced Shank, Malleable Rake	25c. each.
No. 15—Heavy Braced Shank, Malleable Rake	30c. each.
No. 17—Heavy Braced Shank, Malleable Rake	30c. each.
No. 1—Solid Steel Turf Edger	50c. each.
No. 30—Steel Thistle Dock Cutter	50c. each.

Queen Steel Garden Rake.



NEAT, STRONG AND DURABLE, BRIGHT FINISHED, TWISTED TEETH.

Fig. 4.—14 Teeth .....35c. 16 Teeth.....40c.

Automatic Self-Cleaning Rakes.

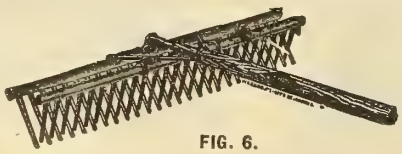


FIG. 6.

LAWN RAKES.

Fig. 6.—A backward motion of the Rake from the operator will clean all the teeth at once, thus avoiding the disagreeable task of cleaning the teeth with the fingers. The teeth are made of the best hickory, and will not tear the sod or grass.

With 22 teeth.....60 cents.
With 26 teeth.....70 cents.
Lawn King Rake, with 22 teeth.....40 cents.

QUEEN ALL STEEL LAWN RAKE.
REVERSIBLE, HEAVILY TINNED.

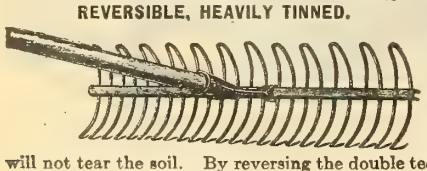


Fig. 5.—In this Rake there is no opening in front or back of head in which to collect dirt. As can be seen by the shape of the teeth, they run smooth and will not dig in the sod.

The teeth being bent at the points, makes the Rakes run smooth, and will not tear the soil. By reversing the double teeth are used for leaves and rubbish. 21-inch head, 24 teeth, 50 cents.

Corn, Potato and Manure Hooks, AND CORN KNIVES.

	Retail Price.
No. 32—Flat Oval Four-tine Solid Steel Potato Hooks	50c. each.
No. 35—Extra Heavy, Four Angular Tine Jumbo Potato Hooks	60c. each.
No. 132—Patent Locked Heavy Potato Hooks	60c. each.
Regular Pattern Corn Hooks, not adjustable	20c. each.
Patent Folding Corn Hooks, with serrated edge	35c. each.
Clipper Corn Knives	25c. each.
Eureka Corn Knives	50c. each.
15-inch Solid Steel, Forged	30c. each.
18-inch Solid Steel, Forged	40c. each.

Garden Sets, 3 Pieces, 5-T Rake, Shovel and Hoe, $1.00 per set.

HAND FIELD AND GARDEN TOOLS.

Figure 1.

Figure 2.

Figure 3.

Figure 4.

Figure 7.

Figure 5.

Figure 6.

The "Crescent" Cultivator Hoe.

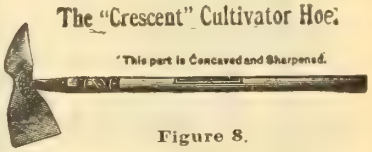


Figure 8.

Two Hoes on One Handle.
No. 66—Crescent Cultivator Hoe, 6 inch. Each, ... 50c

Figure 1.

	Retail Price.
No. 2—Long Handle, Round and Square Point, G. & T. Steel, Warranted Shovel....	90c.
No. 2—L Handle, Round and Square Point, Solid Back Steel Shovel.....	80c.
No. 2—Long Handle, Round and Square Point, Steel Socket Shovel	75c.

Scoops of all sizes always on hand. Wood and Wire Potato Scoops, different styles, in stock.

	Retail Price.
No. 2—D Handle, Square Point, G. & T. Warranted Steel Shovel.....	$ .90
No. 2—D Handle, Solid Socket, Steel Shovel..	.75
No. 2—D Handle, Steel Shovel.....	.80

SCOOPS, GRAIN AND COAL.

	Retail Price.
No. 4—Eastern Pattern Steel Socket Scoop, for coal	$ .80
No. 6—Eastern Pattern Steel Socket Scoop, for coal	.90
No. 6—Western Pattern Steel Socket Scoop, for grain.....	.90
No. 8—Western Pattern Steel Socket Scoop, for grain	1.00

Many other sizes and styles always on hand.

Figure 2.

	Retail Price.
No. 2—D Handle, Square Point, G. & T. Warranted Steel Spade.....	$ .90
No. 2—D or Long Handle, Socket Spade.....	.80
No. 2—D or Long Handle, Square Point, Steel Socket Spade.....	.80

Figure 3.

	Retail.	List.
No. 1—5 lb. Best Quality Warranted Steel Mattocks.....	$ .90	.....
No. 1—6 lb. Best Quality Warranted Steel Mattocks	1.00	.....
No. 2—5 and 6 lb. Best Refined Iron Mattocks (Steel Cutters)	.70	$17.00
No. 1 and 2 —Warranted Steel Grub Hoes.....	.65	.....
No. 1—3½ lbs. Best Refined Iron Grub Hoes (Steel Bit)...	.45	12.00
No. 2—4 lb. Best Refined Iron Grub Hoes (Steel Bit).....	.50	13.00

Figure 4.

No. 1—6 to 7 lb. Best Quality Warranted Steel R. R. Picks.	.90	.....
No. 2—6 to 7 lb. Best Refined Iron R. R. Picks (Steel Point)	.60	13.50

Figure 5—PICK AND MATTOCK HANDLES.

	Retail.
No. XX—Best Quality, Selected, Second Growth Hickory Pick Handles	25c.
No. X—Good Quality White Hickory Pick Handles	20c.
No. 1—Good Quality White and Red Hickory Pick Handles	18c.
No. 2—Mixed White and Red Hickory Pick Handles.....	15c.

Figure 6—GIBBS' POST HOLE DIGGER.

Digs faster, works easier than any other on the market. All wearing parts have steel pins. Makes a hole of any desired diameter. First-class for tree planting. Price, $1.75.

STEEL SOLID HANDLE POST SPADE.

Flattened at one end like a spade. The other end is sharpened and can be used as a crowbar. Light, durable, effective, cheap. Price, $2.00.

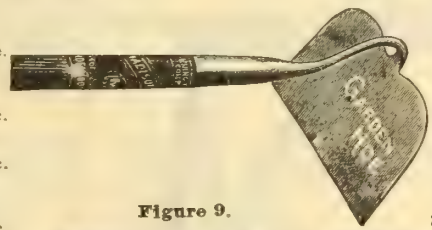


Figure 9.

The "VICTOR" Garden Cultivator

Figure 10.

THE VICTOR GARDEN CULTIVATOR is popular because it is made of best material. The shanks and blades are extra good stock and are easily adjusted.

No. 90—Complete, on 5-foot handle, with 3x5 blades. Each..... $1.00

Figure 11—KRETSINGER CUT-EASY HOE.

This is the finest Hoe made. Cuts easy, sells easy. Try it. Price, 55c. each.

Figure 7—AXES.

In Axes we carry the best lines only. We aim to sell only those we know to be first-class in every respect and that have an established reputation.

Wm. Mann's Celebrated Red Warrior Axes.....	Retail price each, 75c.
W. Stewart's Superior Steel Axes.....	" " " 75c.
Marshall Bros.' Superior Steel Axes.....	" " " 65c.
Hatchets, Half Pattern and No. 2 Shingling ..	Retail price each, 30c. to 60c.

Also carry a full line of Hammers, such as Ball-Pein, Sledge, Mason's, Engineers, Blacksmith's and Nailing. Prices on application.

AXE HANDLES.

No. X—Extra Selected 2d Growth, all White Hickory Axe Handles, each,	25c.
No. 1—Selected White Hickory Axe Handles.....	" 20c.
No. 2—White and Red Hickory Axe Handles.....	" 15c.
No. 3—White and Red Hickory Axe Handles.....	" 12c.

Figure 9.

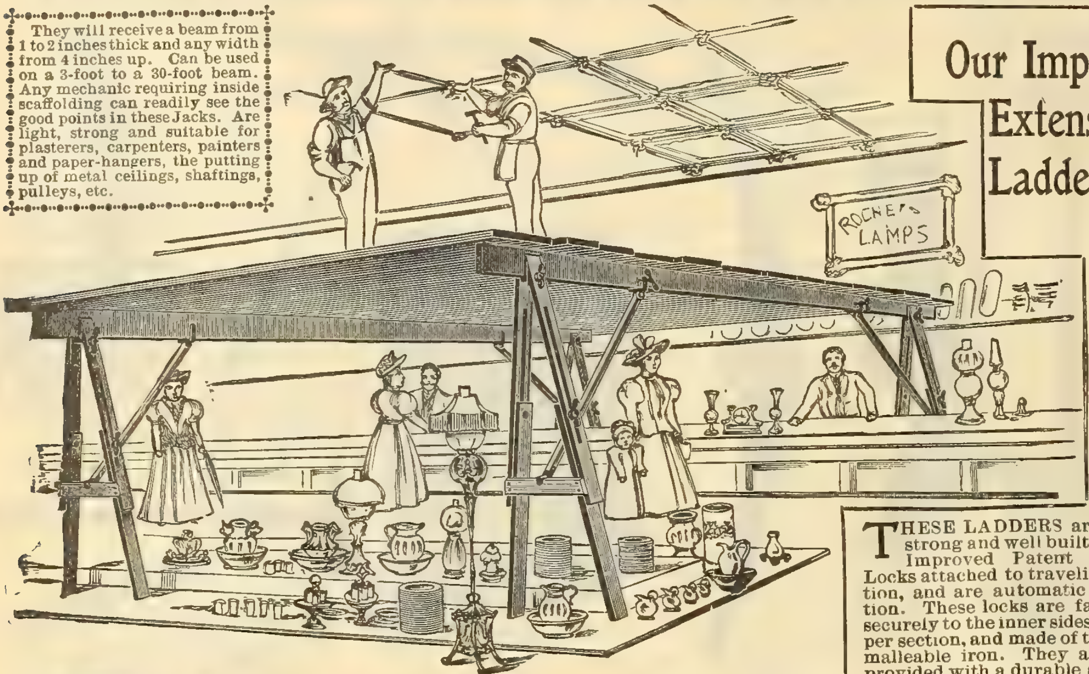
	Each.
No. 1—Solid Steel Garden Socket Hoe, XXX Handle	45c.
No. 3—Solid Steel Garden Shank Hoe, XXX Handle	40c.
No. 20—Riveted Shank, Garden Hoe	35c.
No. 0—Solid Steel Lady's Shank Hoe, XX Handle.....	30c.
No. P. 7—Heavy Handled Planter Shank Hoe, 7-inch blade	45c.
No. P. 7½—Heavy Handled Planter Shank Hoe, 7½-inch blade.....	45c.
No. P. 8—Heavy Handled Planter Shank Hoe, 8-inch blade.....	50c.
No. 6½—Heavy Handled Sprouting Hoe, 4½ inch blade, special temper.	60c.
No. 75—Heavy Handled Mattock Hoe, special temper..	60c.
No. W 2—Two-Point, Solid Steel Weed Hoe.....	30c.
No. W 1—Sharp Point, Steel Blade Weed Hoe.....	25c.
No. 84—Brace or Shank Scuffle Hoe, 8-inch Steel Blade, with Handle..	50c.
6-in. Corn Stalk Cutter Hoes, Heavy Solid Steel Shank, 30-in Handles,	40c.

We carry also many other sizes and shapes of Hoes.

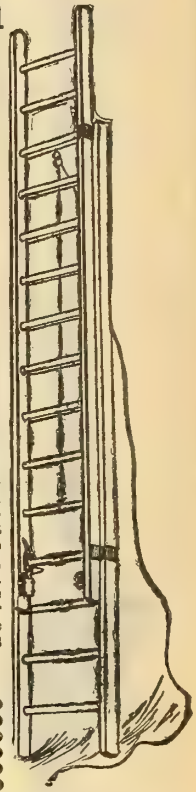
GRIFFITH & TURNER CO

Tilley's Adjustable Patented Scaffolding Jacks.

They will receive a beam from 1 to 2 inches thick and any width from 4 inches up. Can be used on a 3-foot to a 30-foot beam. Any mechanic requiring inside scaffolding can readily see the good points in these Jacks. Are light, strong and suitable for plasterers, carpenters, painters and paper-hangers, the putting up of metal ceilings, shaftings, pulleys, etc.



Our Improved Tilley Extension Ladders.

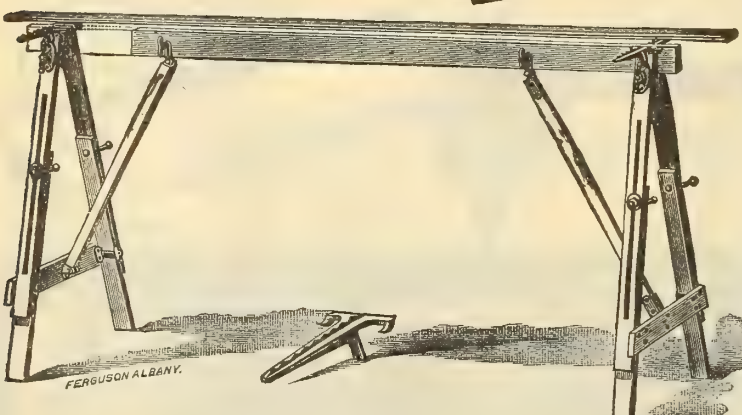


THESE LADDERS are stiff, strong and well built. Have Improved Patent Spring Locks attached to traveling section, and are automatic in action. These locks are fastened securely to the inner sides of upper section, and made of the best malleable iron. They are also provided with a durable spring, which keeps the hook thrown forward and grasps each round of the stationary ladder as the traveling ladder passes upward. A tripper forces the hook back, allowing it to pass the rounds when descending.

PRICES.

24 ft.,	2 12 ft. sections,	ext'ds	21 ft...	$6.00
26 "	2 13 "	"	23 " ..	6.50
28 "	2 14 "	"	25 " ..	7.00
32 "	2 16 "	"	29 " ..	8.00
36 "	2 18 "	"	33 " ..	9.00
40 "	2 20 "	"	36 " ..	12.00

Other Lengths Given on Application.



FERGUSON ALBANY.

FIG. 1.

OUR IMPROVED Tilley Step and Extension Ladders.

FOR Decorators' Ladders, SEE NEXT PAGE.

THIS improvement consists of suspension brackets, which permits of making a scaffold at any elevation lower than the height of the Jack when down to its limit. These brackets can be used with Jacks already sold. **They cost but 60 cents.** With them and the proper size Jack the scaffold can be made to fit a store or basement.

The iron brackets or arms, as illustrated in Fig. 1, are used when platform is wanted on one horse. These brackets are hooked into malleable castings at top of leg and will support a platform two feet wide the whole length of horse. This furnishes a convenient arrangement for moving about, working side walls, or to use in narrow hallways. **Price, 85 cents per set (4), net.**

Fig. 2 shows two Jacks represented in Fig. 1 as "knocked down." It is unnecessary to comment upon its compact form.

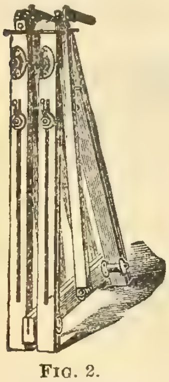


FIG. 2.

3¼ x 1¼ SLOTTED LEG. 3⅛ x 1⅛ TRAVELING LEG.

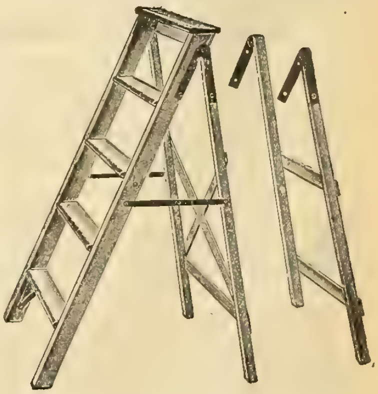
No. 5—	Stands 3 ft. high,	will extend to 5 ft.	Per Jack,	$2.50
No. 6—	" 4 "	" 6 ft.	"	2.50
No. 7—	" 5 "	" 8 ft.	"	2.80
No. 8—	" 6 "	" 9 ft.	"	3.20
No. 9—	" 7 "	" 11 ft.	"	3.55
No. 10—	" 8 "	" 12 ft., 6 inches	"	3.80

EXTRA HEAVY FOR PLASTERERS AND MILL WORK.

4 x 1¼ SLOTTED LEG. 3⅞ x 1⅝ TRAVELING LEG.

No. 11—	Stands 4 ft. high,	will extend to 6 ft.	Per Jack,	$2.90
No. 12—	" 5 "	" 8 ft.	"	3.20
No. 13—	" 6 "	" 9 ft.	"	3.60
No. 14—	" 7 "	" 11 ft.	"	4.00
No. 15—	" 8 "	" 12 ft. 6 in.	"	4.30
No. 16—	" 10 "	" 15 ft.	"	5.00

Nos. 8 and 13 have an extra end brace on slotted legs, with iron brace at each end of same. Nos. 9, 10, 14, 15 and 16 have extra end braces, same as 8 and 13; also have an extra grip on friction bolt in each traveling leg, making the Jacks much stronger than formerly. There have been several valuable improvements made in the details since the issue of former, or 1894, price list.



EUREKA—Well adapted to any use to which step-ladders are put. It has a special style of hinge, connecting front and back, bolted on, rodded, and well braced with iron. Some prefer the open back, detached, as it admits of using a plank to make a platform more readily.

Prices, Step Ladders, with Pail Rest.

5 ft.	$2.25	10 ft.	$3.50
6 ft.	2.50	12 ft.	4.50
8 ft.	3.00	16 ft.	7.00
		18 ft.	8.00

Also furnish single Ladders, made of Spruce, with hand-shaved Oak Rounds, first class in every particular. 12, 14, 16, 18 feet. Price, 15c. per foot. Ladders over 18 feet, 2c. per foot extra.

GRIFFITH & TURNER CO.

Decorator Step Ladders.

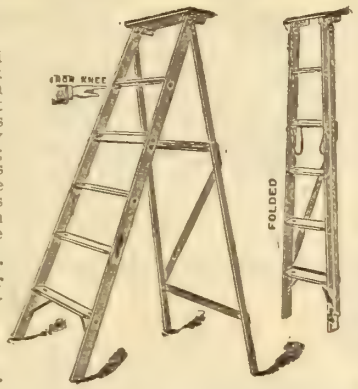
This is without doubt the strongest step ladder of its weight on the market.

There is an iron knee and brace under the ends of each step, which passes down through the step and out through the side piece and is riveted at each end, thereby forming both tie and brace; also has extra iron braces under the bottom step. The back legs fold over the sides or front part, as shown in cuts, occupying but little space.

Particularly adapted for paper hanging, decorating, or when a light, strong step ladder is required.

Sizes, 4 to 12 feet.

PRICE . . . . 25c. per foot.



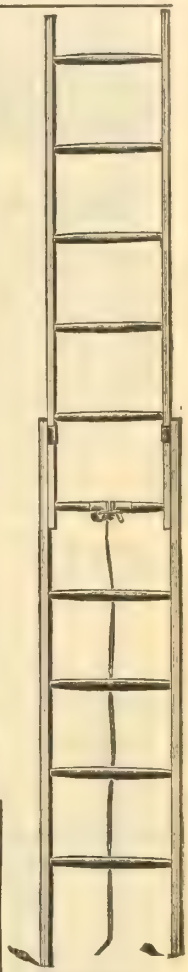
TILLEY'S IMPROVED SECTIONAL LADDERS.

Sections, 6 feet 5 inches long.
EITHEP PLATE AND PIN LOCK OR LOCK NUT FASTENING.

Per Section $1.50

In ordering, bear in mind that a certain amount has to be allowed for the "lap" when the ladder is in its most extended form, the amount of necessity increasing as the ladders increase in length, in order to obtain perfect safety and firmness. In lengths of 12 to 18 feet deduct one foot for lap—that is, a 12-foot ladder would be 6 feet high when closed or would form a 6-foot step ladder, but would be only 11 feet long when extended. In lengths of 20 to 32 feet deduct two feet, and from 34 to 40 deduct three feet from the total length in same manner.

Open.



Extended.

McSHERER COMBINED STEP AND EXTENSION LADDER.

CAN be almost instantly changed to any height up to nearly twice its closed length, the rungs always being exactly opposite each other in the lapped portion, no matter what the amount of extension; or by swinging the bottoms apart, a reliable and convenient step ladder is obtained. They can also be extended or closed, and for any use that a step ladder can be used are very desirable. All ladders over 24 feet in length are made in two long sections, with flared bottom, adding to the rigidity and reducing the slipping at bottom to a minimum. This ladder will come apart and each section can be used separately. This style can, of course, be extended or closed, but does not swing apart, forming a step ladder, as does the other style.

We use Norway pine for sides; rock elm, or second-growth white hickory for rungs; the very best grade of malleable iron castings for metal parts.

PRICE LIST.

12-foot extension ladder makes	6	foot step ladder	. . . . .	$2.16
14	"	"	"	"	7	"	"	"	. . . . .	2.52
16	"	"	"	"	8	"	"	"	. . . . .	2.88
18	"	"	"	"	9	"	"	"	. . . . .	3.24
20	"	"	"	"	10	"	"	"	. . . . .	3.60
22	"	"	"	"	11	"	"	"	. . . . .	3.96
24	"	"	"	"	12	"	"	"	. . . . .	4.32
26	"	"	"	in two sections of 12 and 14 ft. each,									5.20
28	"	"	"	"	"	"	"	12	"	16	"	"	5.60
30	"	"	"	"	"	"	"	14	"	16	"	"	6.00
32	"	"	"	"	"	"	"	14	"	18	"	"	6.40
34	"	"	"	"	"	"	"	16	"	18	"	"	6.80
36	"	"	"	"	"	"	"	16	"	20	"	"	7.20
38	"	"	"	"	"	"	"	18	"	20	"	"	7.60
40	"	"	"	"	"	"	"	18	"	22	"	"	8.00

Bent Rung, Step, Extension and Single Ladders.

A 16-foot Single Ladder weighs only 21 to 25 pounds. By drawing out a small rod at top of step ladder it can be converted into two separate ladders. These goods are made nearly altogether by hand, and are very much superior to factory ladders. No holes are bored in the side pieces, thus making them the strongest and lightest ladders made. The rungs are made of toughest hickory. A slight groove in the side pieces, in which the rungs are set, acts as a brace and aids to stiffen the ladder.

SINGLE LADDERS.

Less 30 per cent. from the following prices:

8 feet	$2 00	12 feet	$3 10	16 feet	$4 30
10 "	2 50	14 "	3 70	18 "	4 90
20 "					5 60

COLUMBIA BENT-RUNG DOUBLE STEP LADDERS.

Less 40 per cent. from the following prices:

4 feet	$3 00	6 feet	$4 00	9 feet	$5 50
5 "	3 50	7 "	4 50	10 "	6 00
		8 "	5 00	12 "	9 00

BENT-RUNG SINGLE STEP LADDERS.

Same lengths and prices as above. Less 60 per cent.

EXTENSION LADDERS.

Less 35 per cent. from the following prices:

	Two Ladders.				Two Ladders.		
Each.	Extended.	Price.		Each.	Extended.	Price.
10 feet . . .	17 feet . . .	$7 40		16 feet . . .	29 feet . . .	$12 20
12 " . . .	21 " . . .	8 90		18 " . . .	33 " . . .	14 40
14 " . . .	25 " . . .	10 40		19 " . . .	35 " . . .	15 20
15 " . . .	27 " . . .	11 20		20 " . . .	37 " . . .	16 00

WETTLING STEP LADDER.

GOOD QUALITY.

All lengths from 4 to 10 feet at 15c. per foot.

SPECIAL PRICES IN QUANTITIES.

HASTING'S STEP LADDER.

WITH UPRIGHT SUPPORT UNDER EACH STEP.

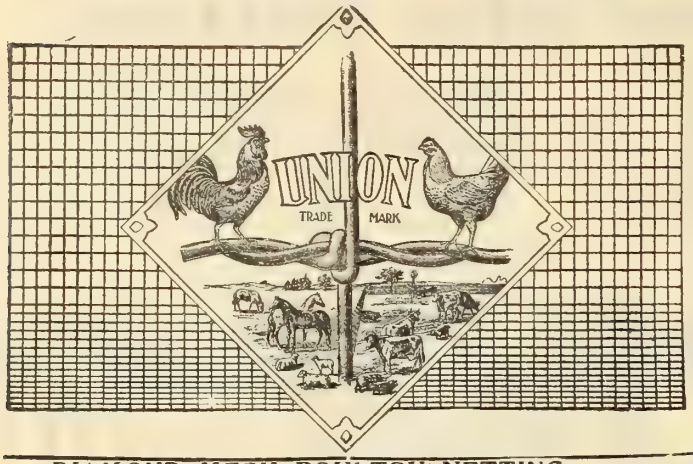
STIFF, STRONG AND DURABLE.

All lengths from 6 to 10 feet, 18c. per foot.

FIRST CLASS IN EVERY PARTICULAR.

SPECIAL PRICES TO PAPER HANGERS, PAINTERS AND THE TRADE GENERALLY ON ALL LADDERS.

GRIFFITH & TURNER CO.



UNION LOCK POULTRY FENCE

The horizontal lines of this fence are all composed of two No. 20 galvanized steel wire twisted together.

Beginning at the bottom the first 7 cables are 1½ inches apart, the next three cables are 1½ inches apart, then 6 cables 2 inches apart, and all above that 4 inches apart. This gives a mesh of 1¼ x 3 inches at the bottom, where it is needed for small chicks, and above 2 feet, where fowls can only reach when on the wing, the mesh is 3x4 inches.

The pickets are No. 19 galvanized steel wire and are 3 inches apart.

On account of the pickets being at right angles to the cables, this fence will fit any unevenness of the ground without cutting.

Because of its strength and construction this fence requires no top or bottom rail and no more posts than the ordinary woven wire stock fence, or about one-half the number needed for poultry netting.

In strength, closeness of mesh, adjustability and economy, it is unexcelled.

			List.	Retail.		Retail.
10 rod rolls,	165 ft.	24 in. wide,	$ .56	$2.80	When cut,	2¼c. per run'g ft.
10 "	165 ft.	36 "	.69	3.45	"	2¾c. "
10 "	165 ft.	48 "	.83	4.15	"	3½c. "
10 "	165 ft.	60 "	.96	4.80	"	4c. "
10 "	165 ft.	72 "	1.08	5.40	"	4½c. "
10 "	165 ft.	84 "	1.23	6.15	"	5¼c. "

In comparing prices with ordinary poultry netting remember these bales are 15 feet longer.

DIAMOND MESH POULTRY NETTING.

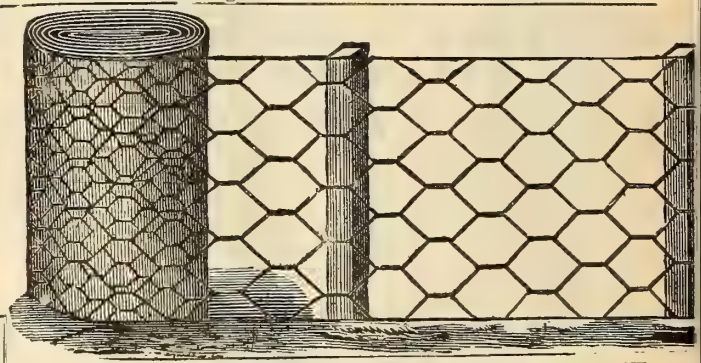
The wire we offer is all Nos. 19 and 20 double-twist, 2-inch mesh, thoroughly galvanized after weaving. Sold in bales of 150 running feet.

No.	In. Wide.	Sq. Ft.	Per Bale.	No.	In. Wide.	Sq. Ft.	Per Bale.
19	12	150	$ .75	20	12	150	$ .68
19	18	225	1.12	20	18	225	1.05
19	24	300	1.50	20	24	300	1.35
19	36	450	2.25	20	36	450	2.02
19	48	600	3.00	20	48	600	2.70
19	60	750	3.75	20	60	750	3.37
19	72	900	4.50	20	72	900	4.05

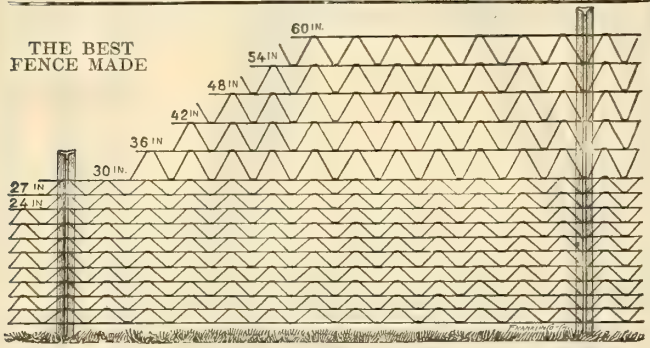
Price, 1c. per sq. ft. in less than bale lots. Staples for fastening, 10c. per pound.

We also carry in stock a few sizes of one inch mesh as follows:

No.	In. Wide.	Sq. Ft.	Per Bale.	No.	In. Wide.	Sq. Ft.	Per Bale.
19	24	300	$3.90	20	24	300	$3.30
19	36	450	5.85	20	36	450	4.95
19	48	600	7.80	20	48	600	6.60



THE BEST FENCE MADE



HARTMAN "STOCKADE" WOVEN WIRE FENCE.

Strong, Durable, Cheap, Ornamental. Convenient, because easy to handle. Quickly put up. The "Y" steel posts are used in the erection of this fence.

This fence made in various heights for hogs, sheep, cattle and horses, is composed of horizontal strands of gauge 13 galvanized steel wire (except top and bottom wires, which are of gauge 10), braced by intersecting strands of gauge 13 wire.

It is made with horizontal wires 3 inches apart, below 24 inches; above that distance, 6 inches apart.

Ample provision is made for expansion and contraction.

For use on the farm, ranch, pasture, plantation corral, and for general field use it is usually erected on posts of wood, placed from 10 to 16 feet apart, with braced terminal corner and gate posts. We are able to supply our steel posts and braces at a first cost but little advanced over wood, which is more than met by their durability.

The cut shows the different heights of "Stockade" Fence. It is put up in standard rolls, 20 rods each, or in special lengths when ordered.

NOTE.—In the 60-inch height only the horizontal wires are 3 inches apart up to 30 inches, while in all other heights up to 24 inches.

PRICE WITHOUT STEEL POSTS.

	List.	Retail.		List.	Retail.
3 ft. high, per rod....	$1.00	$ .50	3½ ft. high, per rod....	$1.12	$ .55

4 ft. high, per rod, retail, 6 c., list, $1.22. 5 ft. high, per rod, retail, 70c., list, $1.46. Steel Posts, length, 6 ft., each, $1.[illegible]

WRITE FOR SPECIAL PRICES.

BALING TIES.

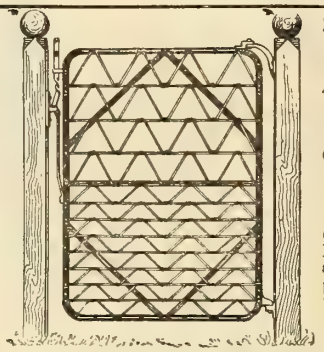
The cost of Bale Ties is from 40 to 60 cents per ton of hay. To get the length of the tie required, add 3 inches to the measure around the bale when under pressure. We keep in stock only the standard size, No. 15, 8½ ft. long, but can furnish any of the other sizes and lengths on order at lowest prices. Retail price on application.

ANNEALED BALING WIRE.—Nos. 11, 12, 13, 14 and 16 always on hand at lowest market prices on application.

TRUSS AND CABLE FENCE WIRE.

Barbed Wire, Plain Ribbon Wire,
Plain Twisted Two-Stranded Wire.
Plain Galvanized Wire, Plain Annealed Wire,
Panel Wire.

Prices on Application.



SINGLE WALK GATES.

Enameled Black.

48 inches high by 3½ feet wide, list price, $4.30; retail price, $3.44

60 inches high by 3½ feet wide, list price, $4.65; retail price, $3.72

Above prices of Gates include the hinges, latch and screws.

DOUBLE DRIVE GATES.

Enameled Black.

9 feet wide by 48 inches high, each, list, $9.50; retail, $7.60.

9 feet wide, by 60 inches high, each, list, $9.50; retail, $7.60.

Above prices include hinges, latch, plate and screws.

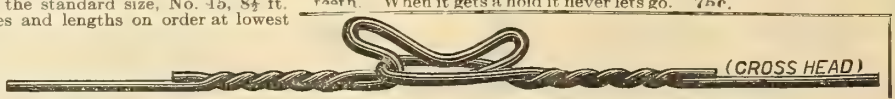
WIRE STRETCHER.

Price, 75c.

No 1.

NEVER SLIP STRETCHER.

Has no teeth to cut or injure the wire. If you cut or injure the galvanizing on a wire it lets it rust. The NEVER SLIP STRETCHER has an iron jaw, but no teeth. When it gets a hold it never lets go. 75c.



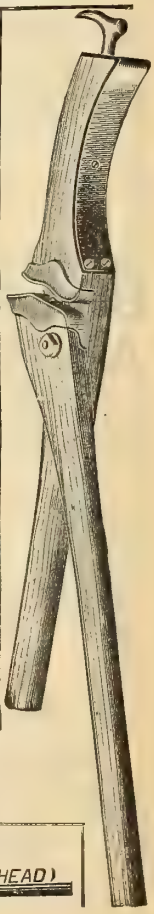


FIG. 7 REGULAR IRON TRACES

STABLE REQUISITES

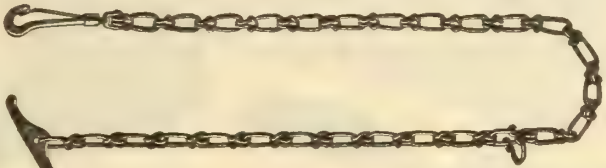


Fig. 4.

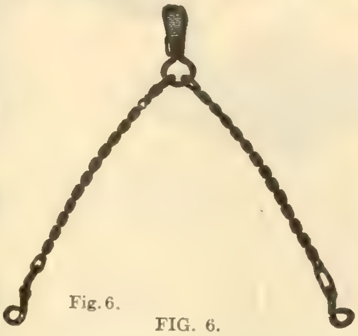


Fig. 6.

Figs. 2 and 4.—Triumph Chains; very light; possess great strength; all links have equal strength. Do not kink; no welds to give way; no sharp edges.

No. 3-0—Triumph Cow Tie (Ohio pattern)	Each,	$ .30
No. 4-0—Triumph Cow Tie (Ohio pattern)	Each,	.35
No. 3-0—4½ ft. Triumph Halter Chain	Each,	.30
No. 3-0—6 ft. Triumph Halter Chain	Each,	.35
No. 5-0—7 ft. Triumph Trace Chains	Per pair,	.85
No. 6-0—7 ft. Triumph Trace Chains	Per pair,	1.00
No. 5-0—3½ ft. Triumph Butt Chains	Per pair,	.45
No. 6-0—3½ ft. Triumph Butt Chains	Per pair,	.50
No. 2—6 ft. Triumph Kennel Chain	Each,	.40
No. 1—20 ft. Triumph Tethering Chain	Each,	.90
No. 0—20 ft. Triumph Tethering Chain, heavy	Each,	1.00

BROWN STEEL COW TIES AND HALTER CHAINS

No. 3-0—Brown Steel Cow Ties (Ohio pattern)	Each, 25c.
No. 4-0—Brown Steel Cow Ties (Ohio pattern)	Each, 30c.
No. 3-0—Brown Steel Halter Chains, 4½ ft	Each, 25c.

Fig. 2.

FIG. 6.

No. 71—Spreader Chains (Pennsylvania pattern) black or self color, stiff, **$3.25**.

No. 73—Repair Links, polished, **15c.** doz.

No. 75—Open Side Links, polished, **10c.** each.

No. 58—Long Link Log or Ox Chain, 12 x ⅜, **$1.75**.

No. 58—Long Link Log or Ox Chain, 14 x ⅜, **$2.00**.

No. 58—Long Link Log or Ox Chain, 14 x ½, **$2.50**.

No. 58—Long Link Log or Ox Chain, 14 x ⅝, **$3.00**.

No. 46—Cart Tug Chains, per pair, **30c.**

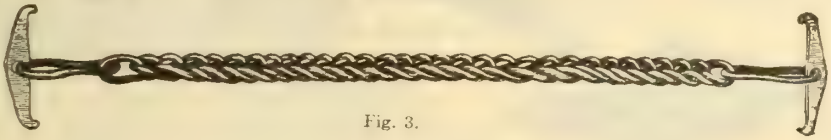


Fig. 3.

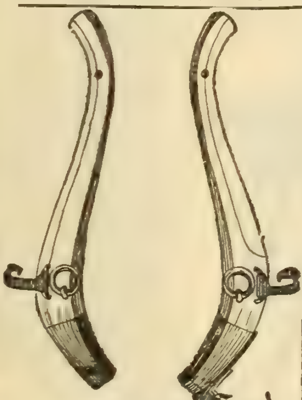
Fig. 3—BREAST CHAINS.

Double Stiff, 5-16	Pair,	$1.25
Double Stiff, ¼	Pair,	1.20
Double Slack	Pair,	.80
Single Slack	Pair,	.60

Fig. 7—REGULAR IRON TRACES.—See border.

7, 8, 2, retail price, per pr., **50c.** 7, 12, 2, retail price, per pr., **65c.**
7, 10, 2, retail price, per pr., **55c.** 7, 14, 2, retail price, per pr., **75c.**
7, 16, 2, retail price, per pr., **90c.**

Fig. 1—No. 67—Fifth Chain—See border.—Round hook, ring and swivel, bright or black, made with stretchers also if desired. No. 67, 10x⅜, with Reg. Hook, **$1.75**; No. 68, 10x⅜, with Patent Hook, **$2.40**; No. 1, Pennsylvania Pattern, black, stiff, heavy, **$6.00**.



HAMES.

	Per Pair.
Loudon Patent Hames	$1.00
Loudon Tie Hames	.75
Taylor Root Pat. Hames	.60
Taylor Root Tie Hames	.50
Sawed Pat. Hames	.50
Sawed Tie Hames	.30

Special prices to both wholesale and retail dealers.

Hame Strings.

Black, ⅝, **12c.** each.	**$1.25** per doz.
Black, ¾, **15c.** each.	**1.50** per doz.
R. Hide, ⅝, **10c.** each.	**1.00** per doz.

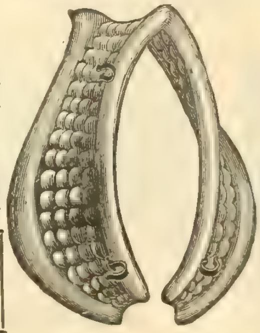
SWEAT PADS.

Brown and White Drill.

This brand presents more attractive features than any similar line of medium-priced sweat pads on the market.

PRICES.

10 inch	25c.
11 inch	30c.
12 inch	35c.



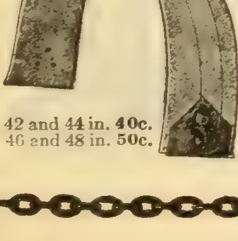
Buggy, Coach and Wagon Whips.

Made of the best material. Bone, Raw-hide and Wood Handles.

Assortment No. 10—3½ doz., per assortment	$ 9.00
Assortment No. 20—3½ doz., per assortment	11.25

FIG. 1. NO. 67-FIFTH CHAIN

Folded Duck Back Bands.



42 and 44 in. **40c.**
46 and 48 in. **50c.**

Web Back Bands.

No. 1—3½ in., 42 in. long	25c.
No. 1—4 in., 42 in. long	30c.
No. 2—3½ in., 42 in. long	15c.
No. 2—4 in., 42 in. long	20c.

Horse Collars.

No. 190—Draft Collars, split leather back and rim duck face, price, **90c.**

No. 1101—Team do., heavy, price, **$1.25.**

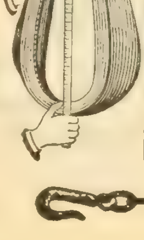
No. 136—Kip Team, sheep faced, price, **$1.75.**

No. 155—Scotch Kip, back and rim tick faced, price, **$2.20.**

No. 760—Heavy Kip Team, sheep faced, price, **$2.00.**

Felt=Less.

Pinked, Felt Edges, Composite Filling, Four Hooks.



Old Gold Drill. Best on the Market, **50c.**

Cheaper Old Gold, **50c.**

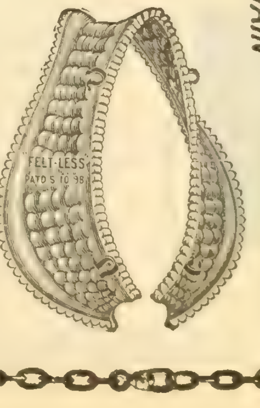


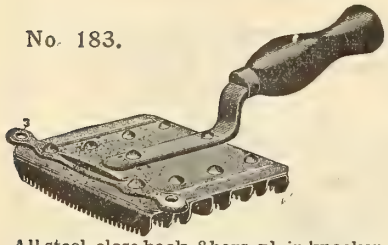
FIG. 1. NO. 67 FIFTH CHAIN

GRIFFITH & TURNER CO.

STABLE REQUISITES.

CURRY COMBS AND BRUSHES.

No. 183.



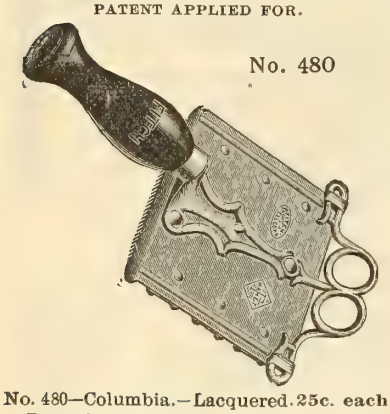
All steel, close back, 8 bars, plain knocker lacquered, enameled handle, brass ferrule, oval face, shank running through handle and riveted. Packed one dozen in box. Cases made for 24 dozen.

Price 20 cents each, $2.00 per dozen.

8 Bars, Hand Riveted.

PATENT APPLIED FOR.

No. 480



No. 480—Columbia.—Lacquered. 25c. each.

Packed one dozen in box. Cases are made for 24 dozen.

Price $2.50 per dozen.

EIGHT BARS, EXTRA HEAVY.

No. 490—All steel shank runs through handle and is riveted.

Price 25c. each, $2.50 per dozen.

Packed one dozen in box. Cases are made for 24 dozen.

All Steel, Close Back.

No. 800.

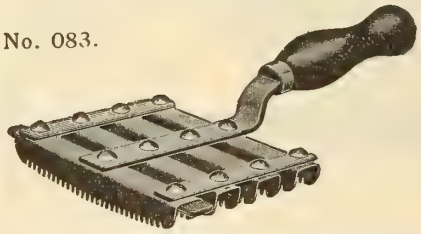
All steel, close back, lacquered, extra size, oval face, curved knockers, braced shank extending through handle and riveted, enameled handle, brass ferrule, 8 bars.

Packed one dozen in a box. Cases made for 24 dozen.

Price 25c. each, 5 for $1.00.

All Steel, Open Back.

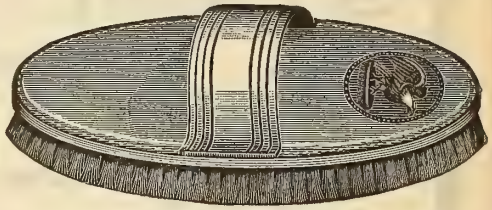
No. 083.



All steel, open back, 8 bars, plain knocker, japanned, carmine handle, steel ferrule, oval face, shank running through handle and riveted. Packed one dozen in box. Cases made for 24 dozen.

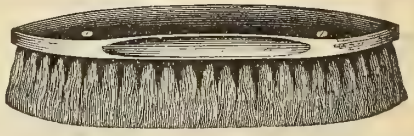
Each 15c. $1.50 per dozen.

LEATHER BACK BRUSHES.



No. 35—Patent Leather Back	Each	.40c.
No. 123—Yellow Leather Back	"	.50c.
No. 400—Yellow Leather Back	"	.60c.
No. 999—Russet Leather Back	"	.90c.
No. 80—All Bristle, Russet Leather, Flexible Back, Army, each		$1.25
No. 445—All Bristle, Russet Leather, Flexible Back, Army, each		1.50
No. 100—London, warranted all white Bristle	each	2.00

Dandy Brushes.



No. 10—Dandy	Each	.20c.
No. 20—Dandy	"	.25c.
No. XX—Palmetto Dandy	"	.40c.
No. 940—Dandy	"	.45c.
No. 7000—Dandy, made of selected fine root	"	.60c.

All of above are packed six in a box.

No. 707—Grenelle Brushes, extra fine, each ..... .60c.

Hartman's Improved Hitching Post.

Cannot be broken or pulled out. Made of tubular steel, thoroughly painted. Anchored at the bottom and at the ground level. These posts furnished with Weldless Steel Chain and Spring Snap complete.

Price complete, $1.75.

No. 1 Web Halters.

Continuous piece No. 1 Web through metal corners.

Leather chin piece.

Rope Lead, leather latch, with snap.

PRICE 25 cents.

No. 699.

Adjustable Web Halters.

Continuous piece, solid color, No. 1 extra quality web, folded through metal corners, adjustable buckle. Leather chin piece with buckle. Rope lead, leather latch, snap.

PRICE.....40 cents.

Fancy Striped Halters.

No. 696.

Corners bound with leather, riveted to ring loops. Leather chin piece. Rope lead, leather latch, snap. **Price 30 cents.**

No. 238.

No. 238.

Cyclone Leather Halters.

One and a quarter inch, with 1¼ inch leather lead. **Price $1.35.**

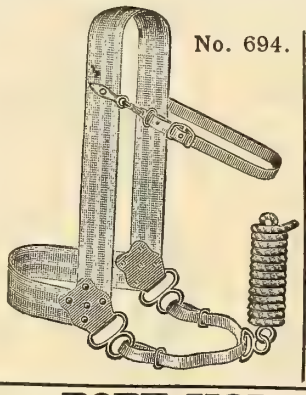
No. 242—1¼ inch, with 1¼ inch leather lead.

Price.....$1.25.

Rope Cattle Ties.

No. 652—½ in. Manilla rope, eight feet long, single snap, **Price 30 cents.** No. 655—½ inch XX Sisal rope, eight feet long, single snap, **Price 20 cents.**

No. 694.



No. 698. **Jute Web Halters.**

Jute Web, metal corners. Chin piece, one continuous piece rope. Leather throat latch and buckle.

Price.....35 cents each.

No. 698.

Rope Halters.

No. 684 1-2 in. Jute Rope, 15c. each.

No. 688—One-half inch XX Sisal Rope. **Price.....20 cents.**

No. 690—One-half inch Manilla Rope. **Price.....40 cents.**

All of our rope goods are of best quality, standard size and full length.

Order by number for any kind of Halter.

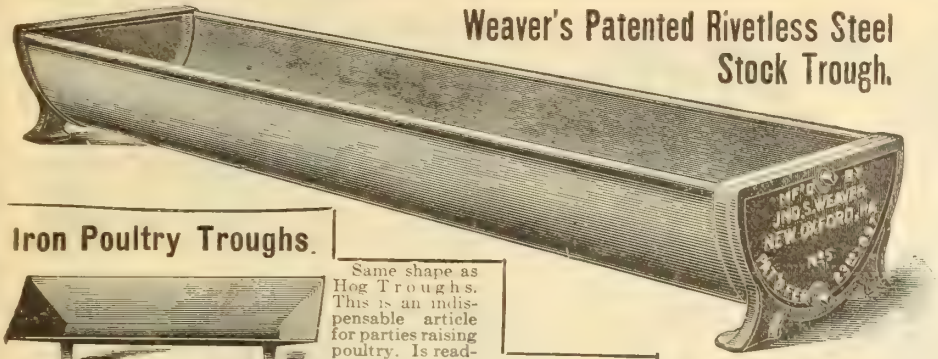
ROPE HORSE TIES.

No. 652—Half Inch Manilla, ten feet long, (two snaps).....**Price 35 cents.**

No. 667—Half Inch XX Sisal, ten feet long, (two snaps)..... " 28 "

GRIFFITH & TURNER CO.

Weaver's Patented Rivetless Steel Stock Trough.



The only Steel Trough constructed without the use of rivets. Will not crack or burst on account of freezing. This Trough is made of No. 12 gauge steel, curved in semi-circular form, with ends of cast-iron fitted in each end of steel, and held in place by steel bands instead of rivets. These bands are shrunk around the end edges of steel, binding it firmly to the flange on the end, thereby making a perfectly water-tight joint.

	List.	Retail.
No. 3— 4 ft. long	$ 9.25	$ 5.00
" 3— 5 "	11.50	6.25
" 3— 6 "	13.50	7.30
" 3— 8 "	17.25	9.35
" 3—10 "	21.60	11.70
" 3—12 "	25.80	13.94
" 3—14 "	28.35	15.35
" 3—16 "	31.75	17.15

No. 3 Troughs are 18 in. wide, 9 in. deep, hold 8 gal. per ft.

	List.	Retail.
No. 4— 4 ft. long	$10.25	$ 5.55
" 4— 5 "	12.85	6.94
" 4— 6 "	15.35	8.30
" 4— 8 "	19.50	10.55
" 4—10 "	24.40	13.20
" 4—12 "	27.50	14.85

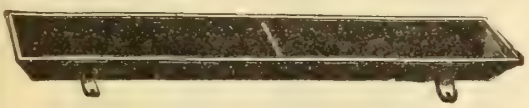
No. 4 Troughs are 20 in. wide, 10 in. deep, hold 10 gal. per ft.
Smaller sizes furnished on application.

Iron Poultry Troughs.

Same shape as Hog Troughs. This is an indispensable article for parties raising poultry. Is readily cleaned, and no leaking.

No. 0— 8 in. long, 3½ in. wide at top, 1½ in. deep.....20c.
No. 1—20 in. long, 4 in. wide at top, 1½ in. deep.....35c.
No. 2—23 in. long, 7 in. wide at top, 3 in. deep.....70c.
No. 3—29 in. long, 7 in. wide at top, 3 in. deep.....85c.

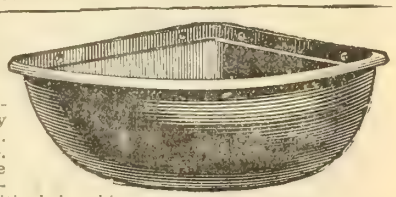
Iron Hog Troughs.



No danger in winter, when frozen full of ice, for them to burst. Twelve inches wide at top 2 inches wide at bottom and 6 inches deep. Made in lengths from 2 feet up to 8 feet, every 6 inches. Weight, per foot, 13 lbs.
Price .....40c. per foot.

Corner Mangers.

THE "SANITARY."

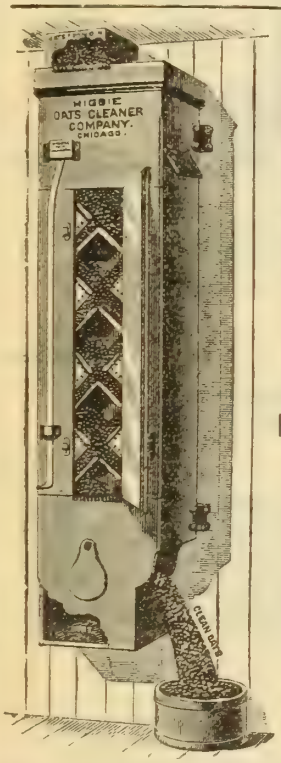


The rim is made of a superior quality of iron. The body of galvanized wrought steel. One of the best Mangers in use. The Government is using these "Sanitary" Mangers in preference to any other, large quantities being shipped to the Philippines.

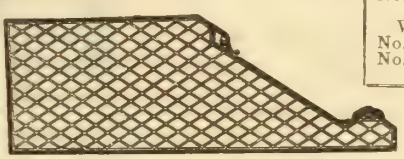
	List.	Retail.
No. 1—16 quarts	$1.50	$1.20
No. 2—22 quarts	1.75	1.40

Special Prices in Quantities.

We also have on hand CAST-IRON MANGERS, old style, as follows
No. 188—16 in. long, 16 in. wide, 10 in. deep; weight, 30 lbs., each...$1.25
No. 187—15 in. long, 15 in. wide, 8 in. deep; weight, 22 lbs., each... 1.15
Special Prices in Quantities.

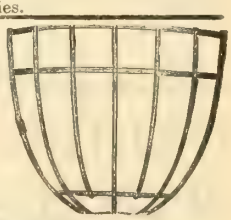


Crimped Wire Stall Guards.



2½ in. Diamond Mesh, No. 8 steel wire, with 1 inch channel iron frames, O. G. end, oval-banded top, screw holes bottom and end.
6 feet long, 25 inches high. Price, each.....$3.50
Special Prices in Quantities.
Larger sizes on application.

Wrought Hay Racks.



Far superior to cast-iron Racks, as frequently used.

Price $1.65

HIGBIE SELF-ACTING OATS CLEANER

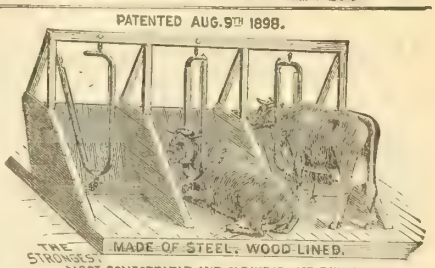
This Cleaner will remove one bushel of dust, dirt, stones, sticks, etc., from every twenty-five to thirty bushels of clean oats; or, in other words, each horse chokes down seven to ten bushels of dust, dirt, etc., per year, unless all oats are drawn through a Higbie Self-Acting Oats Cleaner.

Extending from top to bottom of the Cleaner are eleven downwardly inclined screens, operating in pairs. Below each pair of screens is located a Λ-shaped table; thus the oats fall alternating from the screens to the tables, the object of the Λ-shaped tables being to divide the oats and give them a very rapid impetus before dashing to the next set of screens. The operating valve is located in the top of the Cleaner. Directly below this is a large coarse grate which permits the oats to pass through, but throws off everything larger, such as stones, sticks, glass or any coarse trash that may be in the oats. Below this grate are the zigzag screens and the tables extending through the entire Cleaner to the discharge spout below. The dirt box is in the base of the Cleaner and may be emptied through a hand hole in the bottom.

Price $18.00

In use by Express Companies, Fire Departments, Baltimore Transfer Co., Armour, Swift, etc.

The Taylor Steel Stanchion.



The Strongest Stanchion Made. Since the frame consists entirely of steel and malleable iron, it is practically indestructible and will last a lifetime.

Gives Free and Natural Movement of the Head and Neck. Swings on chains, top and bottom, and gives much more freedom to the cow's head than the old style, stiff Stanchion. Practically the cows are as comfortable as when in the field; for they are able to lick their sides, and lie down with the head on the shoulder as nature intended.

No Mortised Corners to Wear Loose. The corners are formed of solid angle steel, bent to shape, and are as strong, if not stronger, than the straight sides.

Not Cumbersome About Neck of Cattle. The angle steel used in the Taylor Stanchion, which is one and one-quarter inches by one and one-quarter inches wide, is less than one-fourth as large as the wood used in other Stanchions.

Dimensions of Stall. For ordinary sized cattle give each a stall three feet wide by four feet six inches long, floor space. Make gutter along rear of stall of sufficient depth to catch all droppings. A stall so constructed with the Taylor Stanchion insures a larger production of milk.

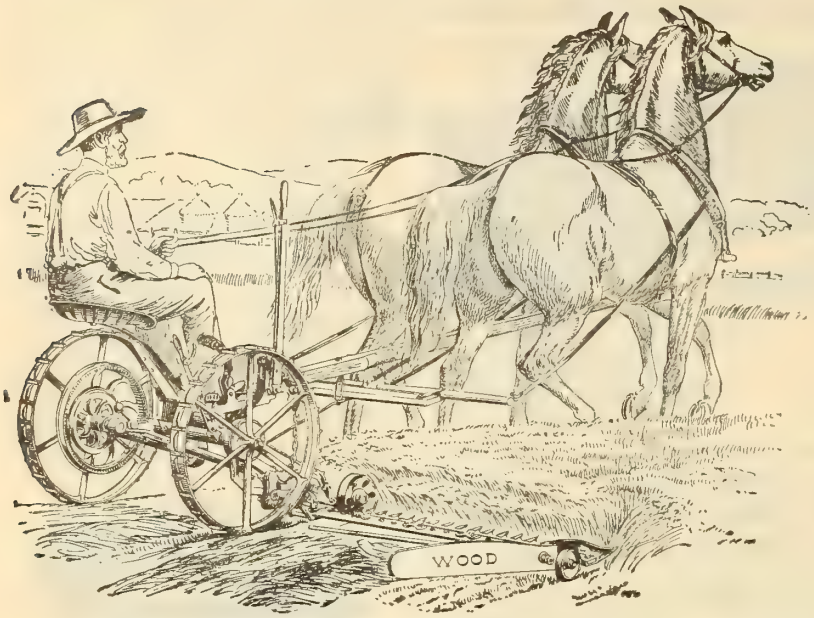
Price, Style No. 1.....$1.50
Extra Heavy, No. 2.....2.00

OX YOKES COMPLETE.

No. 2—7½ in. on neck, by 20 in. between bows list price $6.50
No. 3—8 " " " 21 " " " " " 7.50
No. 4—8½ " " " 22 " " " " " 8.00
No. 5—9 " " " 23 " " " " " 9.00

No. 6—9½ in. on neck, by 24 in. between bows list price $9.50
No. 7—10 " " " 25 " " " " " 10.00
Ox Bows, per pair, regular, list price 1.20
Ox Bows, per pair, heavy, list price 1.40

GRIFFITH & TURNER CO



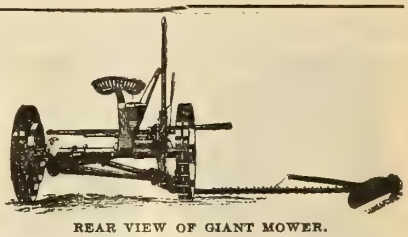
THE WALTER A. WOOD TUBULAR STEEL MOWER.

A MACHINE with a reputation of 50 years of success. Differs materially from other Mowers in construction. Has a floating frame, underhitch and centralized draft which make it the closest and strongest cutter in the field, and the easiest machine on team and driver. Has an axle-extension which enables you to use two widths of bars and have a frame of sufficient width and weight to carry the wider bar and straddle the swath it cuts. Has a quick-acting spring-lift to raise the bar—operated by one hand or foot. Has absolutely no neck-weight, or side-draft. Can be used without a neckyoke. Built in 3′ 6″ and 4′ cut for one horse, and 4′ 3″, 4′ 6″ and 5′ for two horses. The one-horse Mower will literally shave the ground and is a splendid machine for parks and large lawns.

WOOD GIANT MOWER.

SHOWING REAR VIEW.

THE WOOD "GIANT" MOWER is similar in construction to the Tubular Steel, but heavier and wider in frame, and will carry a 6 or 7-foot bar better than any other Mower made.

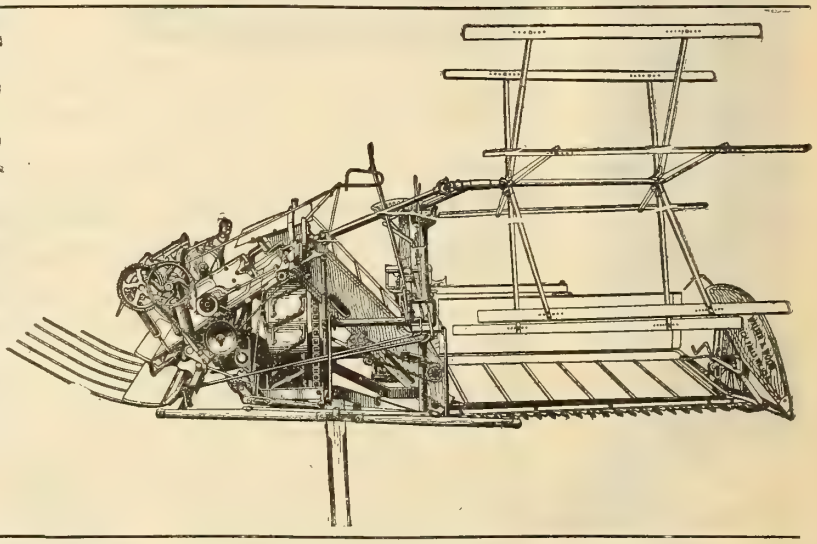


REAR VIEW OF GIANT MOWER.

THE WALTER A. WOOD OPEN REAR BINDER

WILL cut, elevate and bind *any* grain that grows. It is of practically all-steel construction, has unlimited capacity in the elevator and binder-table and has the famous "WOOD" KNOTTER which, for over 20 years, has held the palm for simplicity and accuracy. It is fitted with self-aligning boxes and roller bearings, and is lighter in draft than machines of lighter construction because its rigidity prevents any friction from bearings out of line or gears out of mesh. It is particularly easy to adjust to suit all the different conditions of crop and ground, and all adjusting levers are operated from the seat with the right hand. It can be placed on the transport in a very few minutes by one man unaided, when necessary to take the machine on the road or store it under a narrow shed. It has all the latest improvements and is a machine that, with ordinary care, will do good work for many years.

WALTER A. WOOD MOWERS, BINDERS, REAPERS, RAKES, TEDDERS AND KNIFE GRINDERS.



Before contracting with the manufacturers of the above Binders and Mowers, we concluded to write Mr. Alday Clements, of Crumpton, Md., and Mr. J. C. Walker, of Monrovia, Md., both of whom have been using these machines for years, and we herewith append their testimonials.

CRUMPTON, MD., December 17, 1902.

MESSRS. GRIFFITH & TURNER CO.

Gentlemen:—Your favor of Dec. 15th noted. I have been using the Walter A. Wood Harvesters and Binders, also their Mowers, for several years and consider them now almost perfect.

I am now using 13 of their Harvesters and Binders, and have had so much satisfaction with them that I go into my harvest with as much confidence as I do with the plow for turning the sod. The draft is very light. I use the 7-foot machines with 3 horses, and the work is as near perfect as possible.

The Walter A. Wood Mowers and Rakes are very fine machines—equal, if not superior, to any on the market.

Very truly yours,

ALDAY CLEMENTS.

MONROVIA, MD., December 15, 1902.

MESSRS. GRIFFITH & TURNER CO.

Dear Sirs:—Your letter of even date to hand stating you have decided to handle the Walter A. Wood machines the next season.

Replying will say you certainly have made no mistake in your decision. I have handled them for 4 or 5 years and can unhesitatingly say there are no better machines made than the Wood. We handle from 10 to 25 each year, and have never had a machine, either Binder, Mower, Tedder or Rake, returned to us.

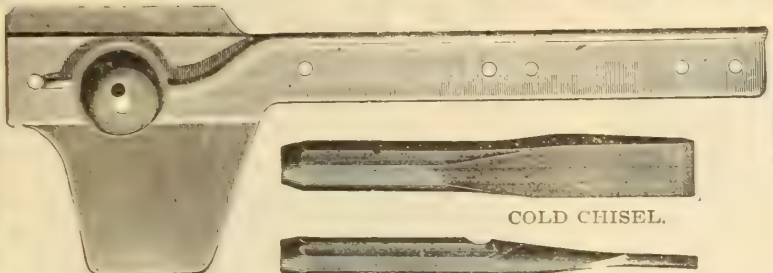
I congratulate you on your decision to sell these goods, for they will do as good work as any machines made, and the firm is doing business on business principles. I contracted for 20 to 25 machines some 60 days ago. Can't state just the exact amount, as I have not the contracts before me. There is one thing I do know—if there are any machines sold here next season I will get my share of the business.

Yours truly,

J. C. WALKER.

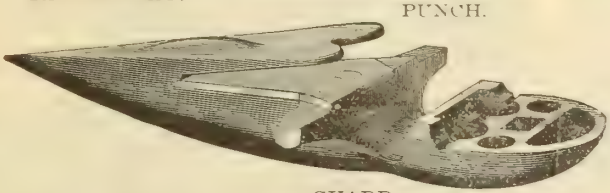
GRIFFITH & TURNER CO

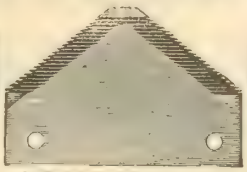
REAPER SICKLE.

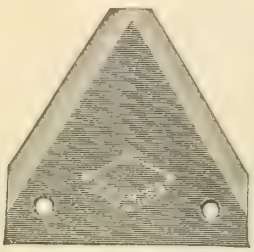

KNIFE HEAD.

COLD CHISEL.

PUNCH.


GUARD.


SICKLE SECTION.


SMOOTH SECTION.

COTTER.

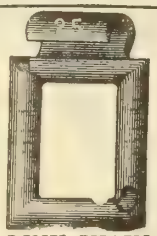
MOWER KNIFE.

SECTION AND GUARD RIVETS.

LINK CHAIN BELTING

For use on Mowers, Reapers, Binders, Corn and Wheat Drills, Corn Shellers, Straw Stackers, Feed Cutters, Traction Engines, etc. Other attachments will be furnished at special prices.

WE ARE PREPARED TO FURNISH Binder and Conveyor Canvases for the leading machines at comparatively low prices.

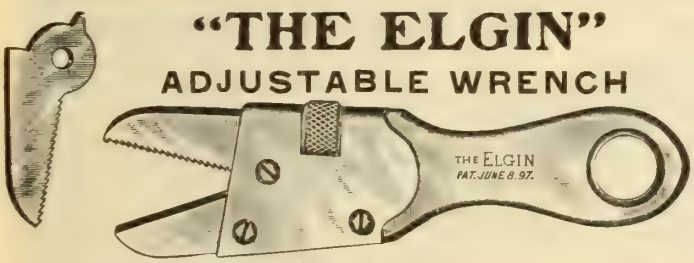

LINK CHAIN BELTING.

IMPORTANT.

WE ARE HEADQUARTERS for **Knives, Sections, Guards, Rivets, Knife Heads, Cotters, Cold Chisels, Steel Punches, etc.,** for all leading machines on the market; also furnish Thresher Teeth, with or without nuts. It is frequently the case that farmers are located where there is no stock of sections, etc., carried. We are headquarters for a full line of these goods, enumerated above and if you will write us for prices, can doubtless supply you with what you need at very low prices. As a rule, the above are not ordered until needed for immediate use. Now if you will only take up the matter with us early in the season we are confident we can save you both money and annoyance. This not only holds good for this class of goods, but Grain Drill Points and Tubes and other extras. Look over your Plows, Cultivators, Grain Drills, Mowers, Binders, Feed Cutters, etc., make out your list and let us have it early.

BEST GOODS AT LOW PRICES.—In ordering the above repairs always bring or send the part you wish duplicated, or a drawing, also always give the name of machine and number of part.
Write us for prices and terms.

"THE ELGIN"
ADJUSTABLE WRENCH



WILL HOLD PIPE OR NUTS.

It works in angles, corners, and cramped places, where the cold chisel and hammer have been the only recourse. It goes beyond other wrenches in what it will do.

BOTH JAWS HARDENED. Length, 7 inches. **WRENCH IS ALL STEEL. Weight, 10 Ounces.**

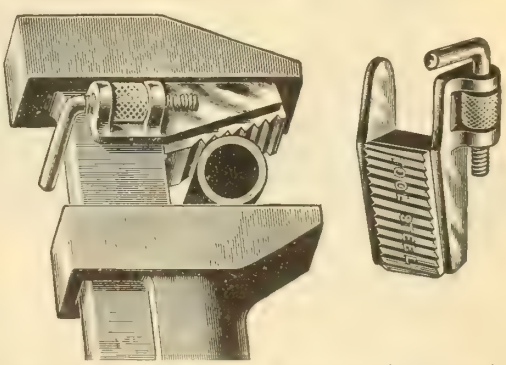
It will fit a pipe up to ¾-inch, or a nut that is 1¼ inch across. Adjusting to fit the articles you get all the leverage and no ends to interfere. When the toothed jaw is worn out, get a new one for 25 cents; it makes the wrench as good as when you bought it.

PRICE—75c. Each. For Extra Jaws, 25c. Each.

WROUGHT SCREW AGRICULTURAL WRENCHES.

	6-in.	8-in.	10-in.	12-in.	15-in.
Retail price, each	.25	.35	.40	.50	.75
List price, per dozen	$9.00	$10.00	$12.00	$14.00	$24.00

"THE ELGIN"
MONKEY WRENCH PIPE JAW.



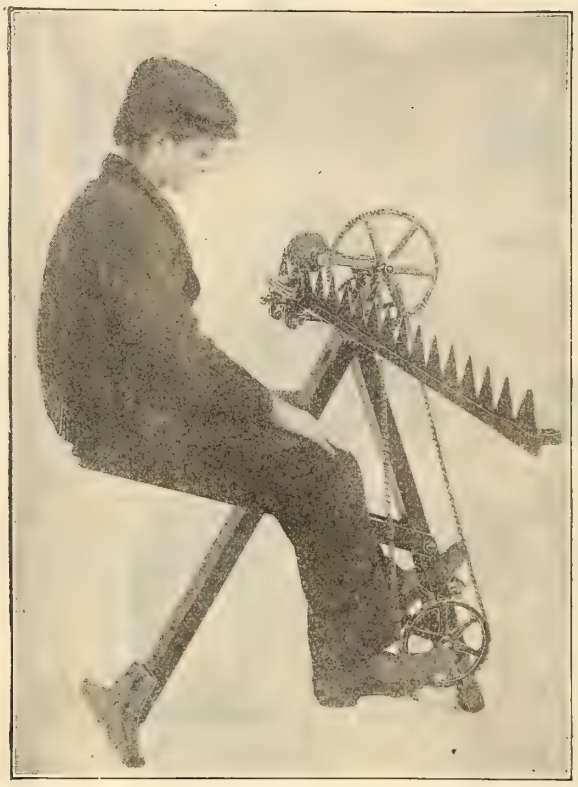
WHEN there is only a little pipe work to do (not enough to warrant buying a pipe wrench) "THE ELGIN" JAW on a Monkey Wrench will do it.

ANY ORDINARY 10 OR 12-INCH MONKEY WRENCH can be fitted with this device in a second or detached in same length of time. It makes a better and more durable pipe wrench than you can buy for double the price of an ordinary monkey wrench.

TO MANUFACTURERS who have been putting two wrenches or a combination wrench into their tool box equipments, **"THE ELGIN" will do the work and SAVE MONEY.** It is particularly attractive to gasoline-launch and gas-engine builders.

PRICE . . . . . 30c. Each.
Practically Indispensable to Every User of a Monkey Wrench.

GRIFFITH & TURNER CO.



THE BI-PEDAL SICKLE AND TOOL GRINDER.

The BI-PEDAL is completely Automatic, requiring no use of the hands. A whole sickle ground without fatigue.

The high speed, 40 revolutions of the emery to one of the pedals of the BI-PEDAL, grinds sickles as smoothly as when new, thus overcoming one of the objections found with many slow running hand power machines.

The power is derived the same as that of a bicycle thus giving no dead centers to get stopped on.

The pressure can be instantly adjusted to light or heavy grinding for new or old sickles by shifting a finely tempered steel spring.

The adjustment also adapts itself to grinding nicks, sharpening at the drawhead, or tool grinding.

The clamp has a movable rest to fit all kinds of sickles, and the sickle can be taken out at any place, instead of sliding it out endways as in some makes.

The BI-PEDAL is supplied with a flatfaced stone for tool grinding, which supplants completely the old sand stone.

Suitable for grinding the following

Plow and Cultivator Shovel Points, Axes, Scythes, Knives, Etc., Etc.

In fact, any grinding, sharpening or polishing a farmer has to do.

Extra wheel for gumming saws can be furnished.

Price **$5.50**

TROJAN EMERY TOOL GRINDER.

For Grinding Any Kind of Tool.

The cut represents

The Housekeeper's Friend

Will give a keen edge to all kinds of household cutlery.

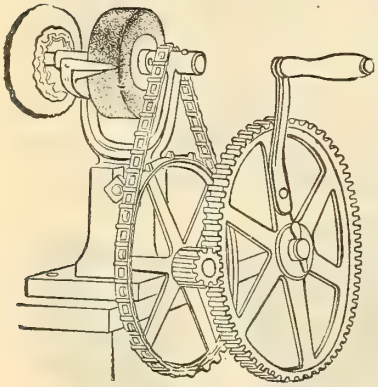
Any lady can use it.

The Farmer's Friend

Sharpens quickly and perfectly all tools from an axe to a pocket knife.

Price **$2.00**

ELECTRIC DIAMOND GRINDER.



This machine takes its name from the Carborundum or Electric Diamond Stone with which it is equipped. This wonderful cutting stone is the hardest substance known except the genuine diamond.

Carborundum is as far ahead of emery as an abrasive material as emery is ahead of the old-fashioned grindstone.

A valuable feature about the Electric Diamond Grinder is the tempered steel chain, stamped out of a solid strip of steel. It is of the famous Locke Steel Belt type, manufactured by the Locke Steel Belt Co., of Bridgeport, Conn., who own valuable patents covering its manufacture.

High speed is absolutely essential to a successful grinding machine. By means of the chain and bicycle gearing the cutting stone on the Electric Diamond attains the great speed of 4,000 revolutions per minute, and therein lies the great secret of its fast cutting power. The Electric Diamond is built on the principle that high speed is a necessity. Any abrasive wheel to cut fast must run fast. Low speed wears the wheel away quick—high speed cuts rapidly and wears the wheel but little. When buying a grinder remember these points. They are of vital importance to a successful machine.

This machine is furnished with a jeweler's buffing wheel and with it all jewelry can be kept as bright as new.

Emery grinders whose motion is entirely gained by cogs and gear wheels are very noisy to operate, hard to rotate—friction always means more work.

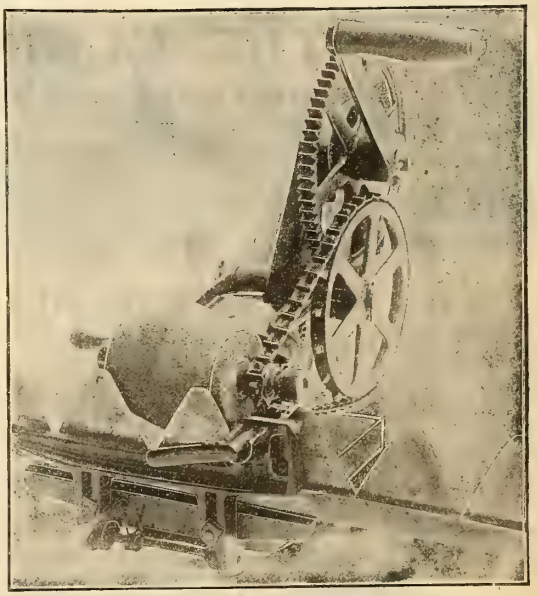
No machine ever put on the market can approach the Electric Diamond Grinder in speed, cutting ability, ease of operation and general utility. Price,..... **$3.90.**

Challenge Sickle Grinder.

The improvement in in this machine embodies a device that automatically drives the emery back and forth (horizontally) over the sickle (or by the simple lifting of the oscillator, it may be controlled by hand and at the will of the operator), while a finely tempered steel spring gives just the proper pressure.

Ingenious and almost frictionless tapered adjusting nuts are employed for lifting the emery stone from the heel and point of the sickle at any place desired. Every emery stone is guaranteed against being too soft or crumbly. The clamps for holding sickle are the simplest and most effective ever placed on an article of this kind.

The advantages of the above features will at once be apparent to the experienced. For simplicity of operation, for workmanship, durability and strength, the Challenge Automatic Sickle and Tool Grinding Machines are preeminently in the lead and winners of trade wherever used. Price, **$4.00.**



GRIFFITH & TURNER CO.

STEEL FRAME GRINDSTONE.

Frame consists of hardwood sills or crossbars, 1¾ x 2¾ inches, painted. Steel legs and braces securely bolted and riveted. Will last a lifetime.

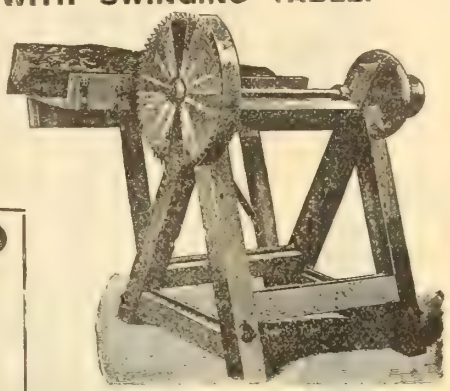
Price.

No. 1 . . . . . $3.50
No. 2 . . . . . 3.25
No. 3 . . . . . 3.00

Loose Grindstones, 2c. per lb.

CIRCULAR SAW.

WITH SWINGING TABLE.



Farmers and others who use Saws can at once appreciate the great convenience of this machine. It has a swing table which is the best style for cutting cordwood. One man can do the work with this Saw as readily as two men on the regular style. In this machine the draft is direct from the power to the Saw, consequently it takes less power to drive it. We carry only 20-inch Saw. If larger is wanted so state in the order.

List Price with 20-inch Saw..... $40.00
Retail 32.00

Write for Special Discounts.

SLIDING KRAUT CUTTER.

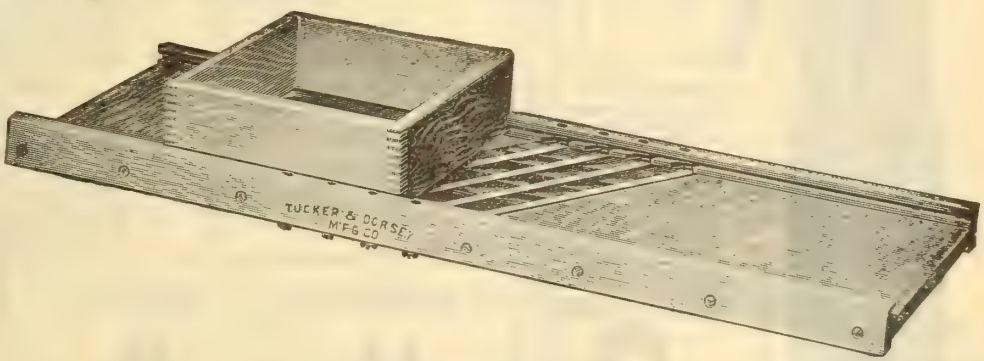
Sliding Kraut Cutter, with two, three, or four knives.

The matter for this Cutter came to hand too late for its proper classification.

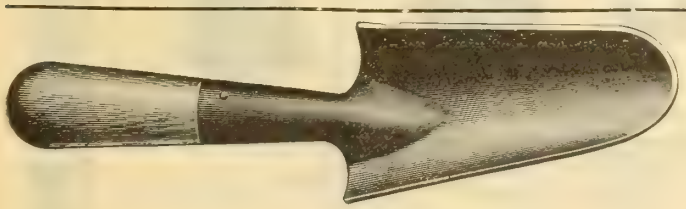
These Kraut Cutters are constructed on the same principle, but are a decided improvement on the old style machines. Each knife is independent of the other and can be quickly adjusted to cut fine or coarse at will.

In the old style Kraut Cutters the knives could rarely be adjusted just right, and if they were they probably refused to stay.

These Cutters are made of heavy hardwood and are fitted with a hardwood box which runs in grooves. Knife adjustment is perfect, being controlled with ¼-inch round-head stove bolts.



No. 50—2 Knives, 8 x 26 inches..... $1.00
No. 55—3 Knives, 8 x 26 inches..... 1.25
No. 65—3 Knives, 9 x 30 inches..... 2.25
No. 70—3 Knives, 12 x 36 inches..... $3.20
No. 75—4 Knives, 12 x 36 inches..... 3.60



GARDEN TROWEL.

This Trowel is made of 16 gauge tool steel, and has a socket handle that will not come out in dry weather. It is six inches long and one of the best on the market.

Price..... 15c.

GRIFFITH & TURNER CO

THE BALTIMORE PUMP.

With and Without Porcelain Cylinder.

PRICES OF PUMPS FITTED COMPLETE.

	6 x 6 Unlined.		6 x 6 Lined.		7 x 7 Lined.	
	LIST.	RETAIL.	LIST.	RETAIL.	LIST.	RETAIL.
Pump for 6-foot well...	$7.52	$5.26	$9.02	$6.31	$10.77	$7.53
" 8 "	7.86	5.50	9.36	6.55	11.11	7.77
" 10 "	8.20	5.74	9.70	6.79	11.45	8.00
" 12 "	8.54	5.97	10.04	7.02	11.79	8.25
" 14 "	9.16	6.41	10.66	7.46	12.41	8.68
" 16 "	9.54	6.67	11.04	7.72	12.79	8.95
" 18 "	9.92	6.94	11.42	8.00	13.17	9.20
" 20 "	10.30	7.21	11.80	8.26	13.55	9.48
" 22 "	10.68	7.47	12.18	8.52	13.93	9.75
" 24 "	....	....	13.18	9.22	15.18	10.62
" 26 "	....	....	14.18	9.92	16.43	11.50
" 28 "	....	....	15.18	10.62	17.68	12.37
" 30 "	....	....	16.00	11.20	18.50	12.95
" 32 "	....	....	16.80	11.75	19.30	13.51
" 34 "	....	....	17.60	12.32	20.10	14.07
" 36 "	....	....	18.40	12.88	20.90	14.63
" 38 "	....	....	19.20	13.44	21.70	15.19
" 40 "	....	....	20.00	14.00	22.50	15.75
" 45 "	....	....	22.00	15.40	24.20	16.94
" 50 "	....	....	24.00	16.80	26.20	18.34
	Special Disc. for Cash		Special Disc. for Cash		Special Disc. for Cash	

~ THE ~ IXL GALVANIZED STEEL CURB.

It will not rust, being made out of No. 24 Gauge Galvanized Steel.

It will not rot or accumulate filth, and leaves the water clear and pure.

It is anti-freezing, as the reservoir piece has a small hole in same, which allows the water to run out.

It can be used in wells as deep as 40 feet.

PRICES:

Galvanized Curb..........................	$3.25
Tubing, per foot..........................	.07
Coupling..........................	.16
Rubber Buckets..........................	.08
Iron Platform..........................	4.00
Chain, per lb..........................	.07

STANDARD LIST PRICES

Wood Pumps, Tubing and Extras,

To Take Place of Corresponding List Prices in Our 1901 Catalogue.

ADOPTED NOVEMBER 1st, 1899.

"No. O."—STOCK PUMPS.

SEVEN INCHES SQUARE, FOUR INCHES BORE.

Porcelain Lined, 6 feet long, in one piece....................	$8.75
" " 7 " "	9.50
" " 8 " "	10.00
" " 10 " "	11.25
" " 12 " "	12.50
" " 10 " Extension Cylinder..............	10.55
" " 12 " "	11.35
" " 15 " "	12.55
" " 20 " "	14.55
" " 25 " "	16.55
" " 30 " "	18.55
Without Lining, 6 " in one piece....................	7.00

"No. 1." THE FAVORITE HOUSE PUMP.

SIX INCHES SQUARE, THREE AND A-HALF INCHES BORE.

Porcelain Lined, 6 feet long, in one piece....................	$7.00
" " 7 " "	7.50
" " 8 " "	8.00
" " 10 " "	9.00
" " 12 " "	10.00
" " 10 " Extension Cylinder..............	8.70
" " 12 " "	9.50
" " 15 " "	10.70
" " 20 " "	12.70
" " 25 " "	14.70
" " 30 " "	16.70
Without Lining 6 " in one piece....................	5.50

PUMPS FOR DRIVE WELLS.—TO FIT 1½, 1¼, or 2-INCH IRON PIPE.

No. 1 House, Special Porcelain Lined Cylinder, 5 ft. wood extended entire length, 6 ft....................	$ 7.50
No. 1 House, 6 ft. long, Porcelain Lined Cylinder............	8.00

TUBING AND COUPLINGS.

No. 1 Tubes, 4x4, per foot (House and Stock)..................	$ .17
Same 12 feet long and over	.19
Extension Tube, 6x6 (Deep Wells)..................	.40
Couplings for No. 1 Tubing, with Bands..................	.50

National Chain Pumps.

This Wood Curb Chain Pump is first-class in every respect; nicely finished; nicely painted and striped.

PRICES:

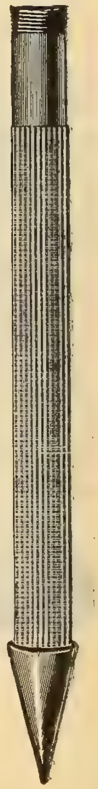
Chain Pump Curbs, each......... **$2.00**

Chain Pump Tubing, per foot.......... **5c.**

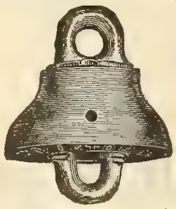
Chain (running 4 to 4½ feet to pound), per pound. ..... **7c.**

EXTRAS.

Extra Iron Spouts, Japanned, each.........$	.30
" " " Patent Loose Collar.....	.40
" Wood Spouts, each....................	.15
" Braces for Wood Spouts, each........	.15
" Iron Brackets, No. 36 and No. 35, each	.40
" " " No. 37, closed, each....	.50
" Plungers, 5 inches, each..............	1.25
" " 4 " "	1.00
" " 3½ " "	.80
" " 3 " "	.65
" " Wood, per doz..............	3.00
" " Leather, "	3.50
" Handles, each....................	.30
" Handle Links, each....................	.25
" Bands, each....................	.10
" Check Valves, per doz....................	1.50
" Splice Straps, pair with bolts.........	.25
" Iron Pipe Connections, each..........	1.00
" Bucket Rods, per foot....................	.03
" Cork Lined Frost Faucets, each......	.40



VICTOR EXPANSION RUBBER BUCKET.



For Chain Pumps. Anti-Freezing. Price.......**10c.**

IXL RUBBER BUCKET.

Price.............................**8c.**

THE QUEEN.

Price.............................**7c.**

CROSBY SWIVEL LINK.

Price, Crosby Swivel Link, **9c.** Plain..............**8c.**

BRASS JACKET DRIVE WELL POINTS.

Numbers.	Diameter of Pipe.	Length Jacket.	Length Pipe.	No. Holes.	No. 60 Gauge per doz. List.	Retail Price each.
90	1¼	18 inches.	24 inches.	100	Price $36.00	$ .90
94	1¼	24 inches.	30 inches.	130	Price 46.00	1.05
98	1¼	30 inches.	36 inches.	165	Price 56.00	1.40
102	1¼	42 inches.	48 inches.	270	Price 76.00	1.90
136	1½	18 inches.	24 inches.	120	Price 48.00	1.20
140	1½	24 inches.	30 inches.	162	Price 60.00	1.50
144	1½	30 inches.	36 inches.	198	Price 72.00	1.80
148	1½	42 inches.	48 inches.	276	Price 96.00	2.40

BUCKEYE FORCE AND LIFT IRON PUMPS.

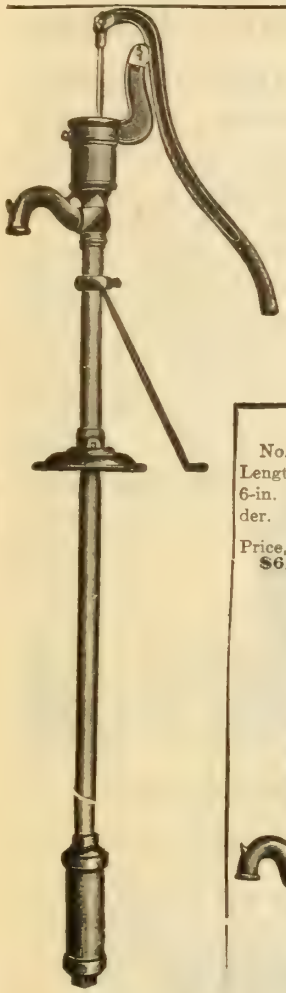


Fig. 41. No. 392.

Fig. 41, No 392—4 foot Set Length, Lift Pump, Syphon Spout, Hand Use; adjustable base and brace; Iron Cylinder, 3 inches. Fitted for 1¼-in. pipe.

Price, Retail.....**$4.00**

Fig. 72. No. 22.

Fig. 72.
No. 22—Single-Acting, Set Length, Hand Force Pump, 6-in. stroke, 3-in. Iron Cylinder. Fitted for 1¼-in. pipe.

Price, List, **$12.50.** Retail, **$6.50.**

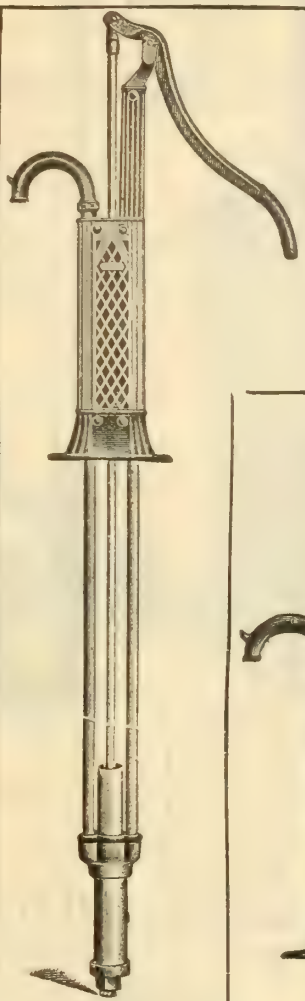


Fig. 13, No. 200—Four foot, Set Length, Lift Pump, for wells under 20 ft.; 3-in. Porcelain-Lined Cylinder. Fitted for 1¼-in. pipe. List, **$13.00.** Retail, **$7.80.**

Fig. 13, No. 201—5½ foot, Set Length, for wells under 26 ft. deep; 3-in. Brass-Lined Cylinder. Fitted for 1¼-in. pipe. List, **$14.00.** Retail **$8.40.**

Fig. 13, No. 215—Deep Well Force Pump, for wells from 30 to 70 ft. deep; 3-in. Brass-Lined lower Cylinder. Fitted for 1¼-in. pipe. List, **$15.00.** Retail, **$9.00.**

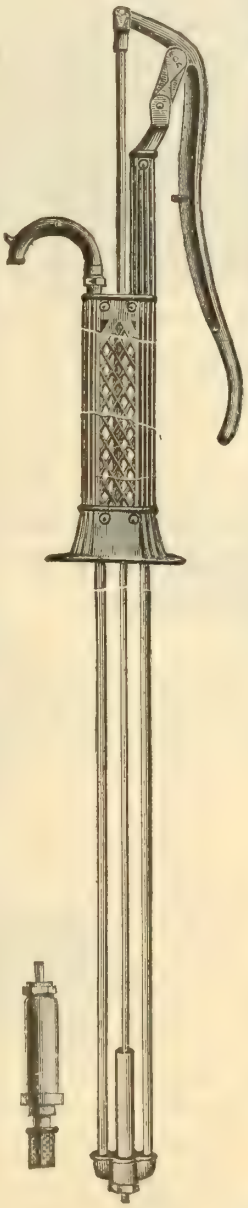


Fig. 14. No. 518.

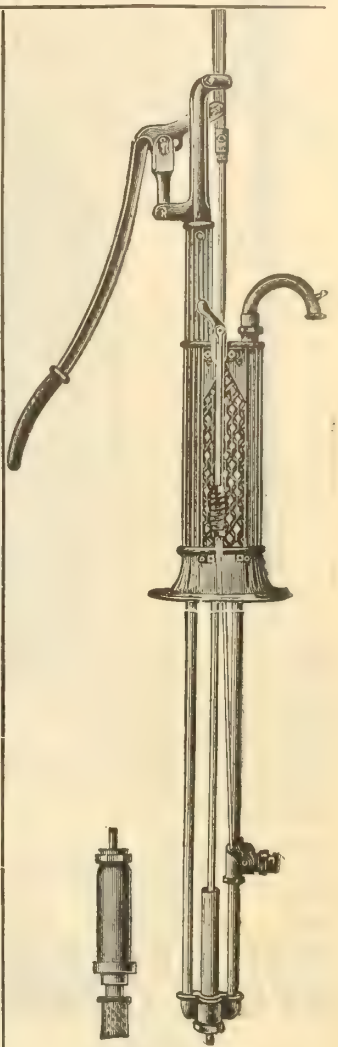


Fig. 56. No. 836.

Fig. 56, No. 836—Deep Well Force Pump, with Windmill Head, for wells from 30 to 70 ft. deep; with 3-way cock 2½-in. Brass lower Cylinder; 6 to 9-in. stroke, with one-inch air chamber and discharge pipe. List, **$20.50.** Retail, **$12.30.**

Fig. 14, No. 518—Deep Well Force Pump, for wells from 30 to 50 ft. deep; 9-in. stroke, 2½-in. Brass lower Cylinder. List, **$17.00.** Retail, **$10.20.**

Fig. 14, No. 515—Similar to the above, except it has 3-in. Brass-Lined lower Cylinder. List **$16.00.** Retail, **$9.60.**

Fig. 81.

ANTI-FREEZING FORCE AND LIFT PUMP.

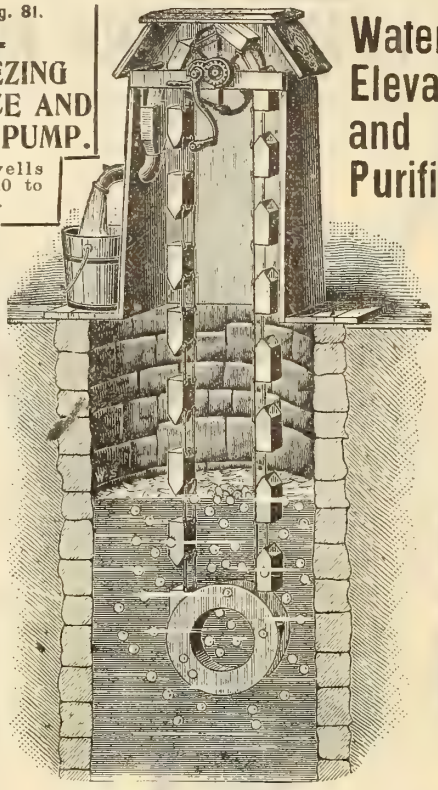
For wells from 10 to 150 feet.

Fig. 81.

BRASS cylinder; deep or shallow wells; light top; large air chamber. Adjustable base and brace. Discharge fitted for ¼-inch hose. Will go inside 3-inch casing. Cylinder, 2½ inches. Stroke, 10 inches. Suction, 1¼-inch pipe.

Price, Brass Body Cylinder,
List $17.00
Retail 10.00

Water Elevator and Purifier.



PURIFIES water by means of oxygen forced into water.

Strength, durability and workmanship cannot be surpassed.

Pumps are carefully inspected before leaving factory.

PRICE.

ELEVATOR, with 25-foot Chain and Japanned Bottom Wheel for 10-foot cistern, $6.50.
Same, with 30-foot Chain for 12-ft. cistern, $7.25
Extra Chain, 15c. per foot.

Faultless Force Tank Pump.

Low Down. Double Acting.

FIGURE 805.

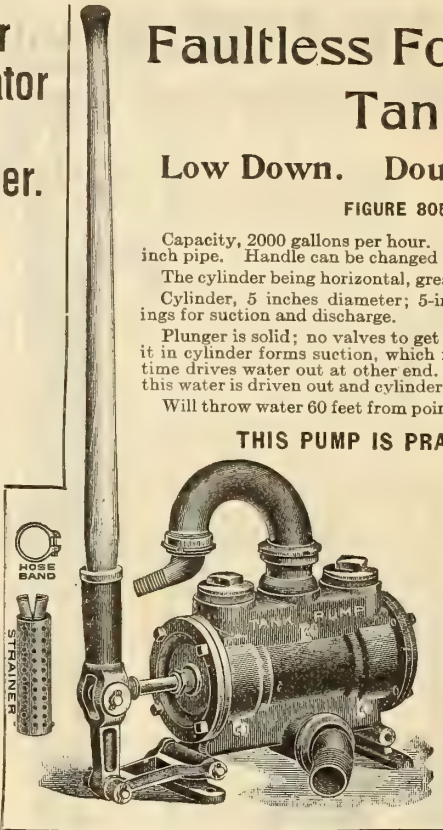
Capacity, 2000 gallons per hour. Fitted for hose and two-inch pipe. Handle can be changed to opposite end.

The cylinder being horizontal, great strength is gained.

Cylinder, 5 inches diameter; 5-inch stroke, 2-inch openings for suction and discharge.

Plunger is solid; no valves to get out of order, and moving it in cylinder forms suction, which fills cylinder and at same time drives water out at other end. Then, on return stroke, this water is driven out and cylinder is refilled from other end.

Will throw water 60 feet from point of nozzle.



THIS PUMP IS PRACTICABLE

For filling thresher tanks, washing out boilers; for use in shallow stock wells, draining cellars and barnyards, and washing wagons, spraying fruit trees, putting out fires, and general use on a farm. It is fitted with drip cocks to drain cylinder.

PRICE—
Pump, with hose nipple, hose attachment, hose-band, and strainer, $7.00.

THE GEM GALVANIZED STEEL CHAIN PUMP.

HAS extension base, which also projects below platform, and is easily fitted by cutting a square hole in the platform the length and the width of the bottom of pump.

The fixtures are first-class and anti-freezing.

The pump is painted stone color with two coats of the best paint, and is neatly stenciled and varnished.

Made entirely of Galvanized Steel, in four pieces, locked together with its own metal.

There are neither rivets nor solder on it, making it very strong.

A "Gem," indeed.

Price, $2.50.

IMPROVED CLOSE-TOP PITCHER-SPOUT PUMP.

Fig. 19 represents our Improved Close-Top Pitcher-Spout Pump. The construction of this style of pump is so well known and understood by pump dealers everywhere that we deem it unnecessary to give any extended description of it here.

SIZES AND PRICES.

No. 1—
Diameter of Cylinder, 2½ in.
Suction, 1 in.

Price—No. 1.

Polished Iron Cylinder, List, $4.25. Retail, $1.15.

No. 2—
Diameter of Cylinder, 3 in.
Suction, 1¼ in.

Price—No. 2.

Polished Iron Cylinder, List, $4.75. Retail, $1.25.

No. 3—
Diameter of Cylinder, 3½ in.
Suction, 1½ in.

Price—No. 3.

Polished Iron Cylinder, List, $5.25. Retail, $1.35.

PITCHER PUMP LEATHERS.

No. 1—Valve and Plunger Leathers, each, 5c.
No. 2—Valve and Plunger Leathers, each, 8c.
No. 3—Valve and Plunger Leathers, each, 10c.

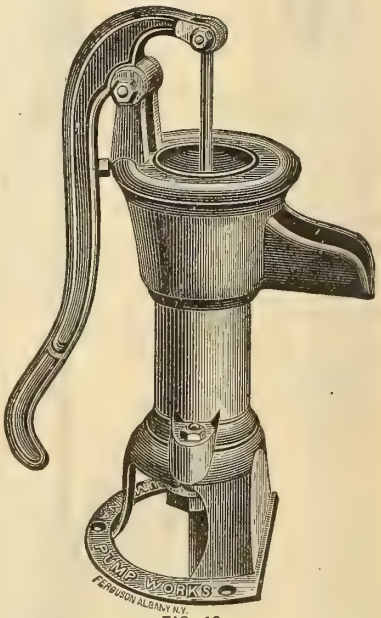


FIG. 19.

No. 1—2½ in. Leather Cups..... 10c.
No. 2—3 in. Leather Cups..... 12c.
No. 3—3½ in. Leather Cups..... 15c.

GRIFFITH & TURNER CO.

Carriage and Buggy Department.

No. 39.

FARMERS' FAVORITE.

Sarven Wheels. One-Inch Axle. Semi-Elliptic Springs, Painting Dark Wine.

PRICE.	
List	$25.00
Retail	$14.50

No. 15 BODY CART.

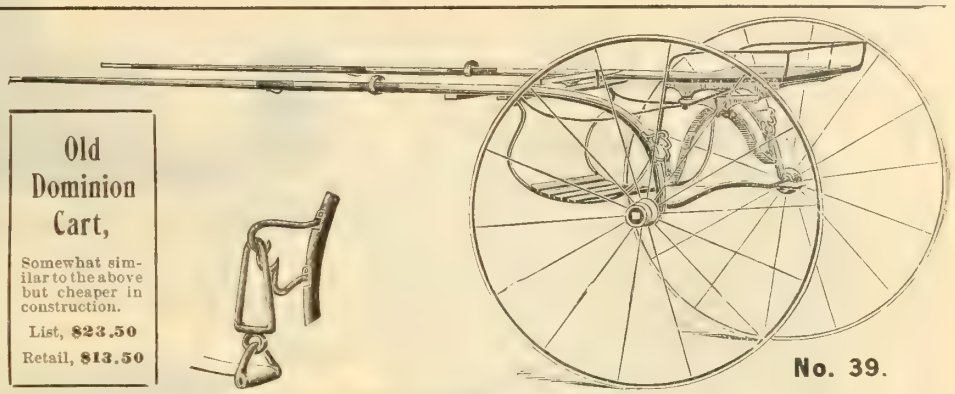
WHEELS, Sarven patent; four feet high, one inch tread. Gear—Double collar steel axle, one inch; coached; combination of large and small coil springs; adjusting irons for raising and lowering body to suit load. Body and Seat—Body, 27 inches wide; seat, 30 inches wide, with box underneath for holding parcels; size of parcel box, 24x14x5½ inches. Trimmings—Imitation of leather; cushion and back. Painting—Body black; gear, Brewster green. List, **$34.00**. Retail, **$20.00**.

Old Dominion Cart,

Somewhat similar to the above but cheaper in construction.

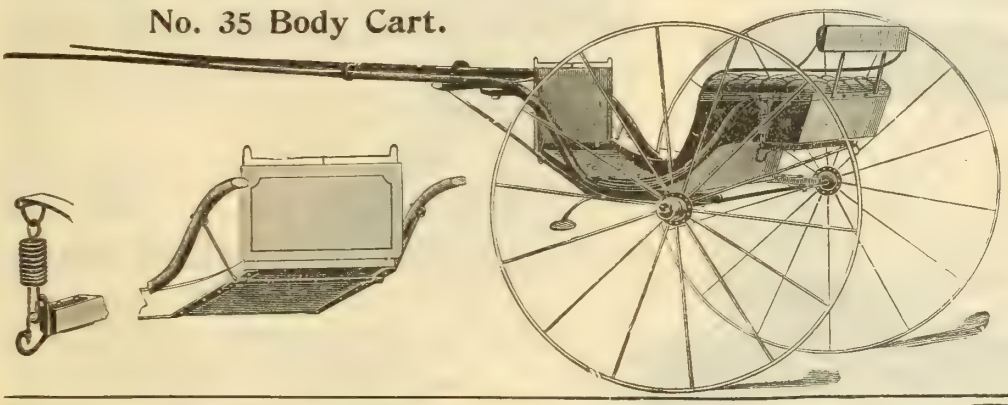
List, **$23.50**

Retail, **$13.50**



No. 39.

No. 35 Body Cart.



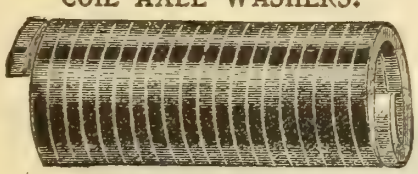
In this, as seen in cut, the step is in front, rendering it a very easy matter for ladies to mount, and the springs are so arranged that the only motion felt is that of a buggy. No horse motion whatever.

Wheels, Sarven patent, four feet high; 1 inch tread. Gear double collar, steel axle, 1 inch, coached; four-leaf springs, combined with small coil springs; adjusting irons for raising or lowering body. Body, 27 inches wide; seat, 30 inches wide, with box underneath, 24x11x6 inches. Trimmings, imitation leather; spring cushion. Painting, body black; gear, Brewster green, nicely striped.

List, **$42.00.** Retail, **$24.00.**

No. 0 BODY CART. ⅞ Wheels, 4 ft. high; 1 in. Axle, double collar, Steel Spring swings in shackle; best Hickory Shafts. List, **$36.00.** Retail, **$21.00.**

COIL AXLE WASHERS.



100 Washers in a box.

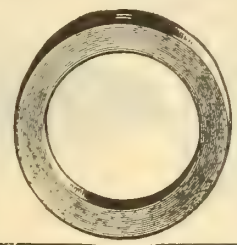
¼ inch, per box ..... 20c. 1 inch, per box .. 20c.

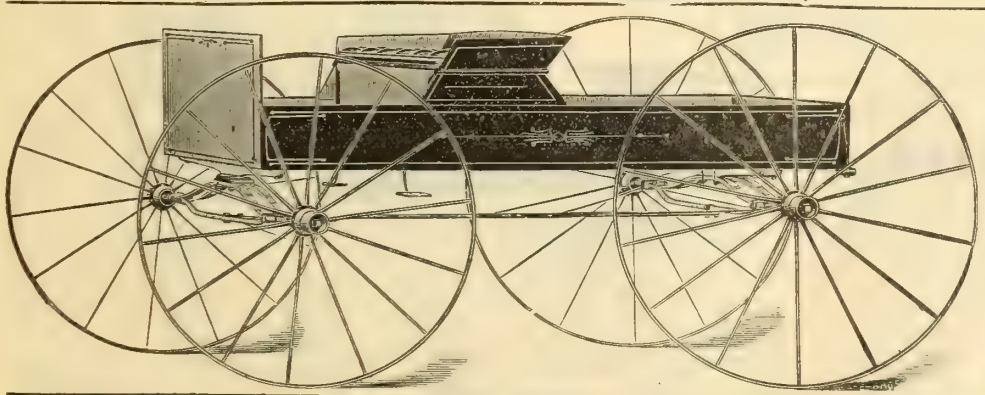
SOLID AXLE WASHERS.

5 sets in a box.

¾ inch, per box	20c.	1¼ inches, per box	25c.
¾ " " "	20c.	1¼ " " "	30c.
1 " " "	25c.		

Solid Cut Axle Washers.





DUPLEX SPRING WAGON.

Axle, 1⅛ in.; 1⅛ in. steel tire; body 7 ft. long, 3 ft. wide, 9 in. high. Drop end gate. Capacity, 1000 lbs. **$45.00.**

Axle, 1 in.; 1 in. steel tire; body 6 ft. 6 in. long, 3 ft. wide, 9 in. high. Drop end gate. Capacity, 600 to 800 lbs. One seat with cushion. **$42.50.**

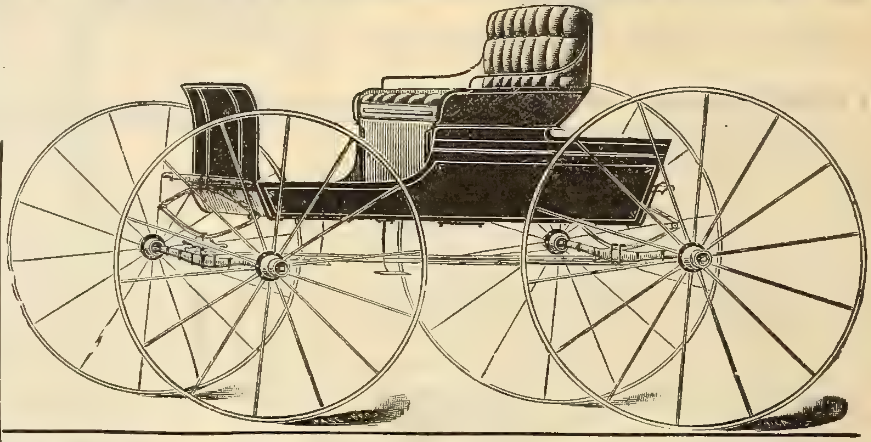
We furnish Tops, Brakes, Two Seats and Lazy Backs with above wagons when ordered. Tops extra, **$15.** Brakes, **$3.**

All wheels dipped in boiling oil.

We are offering Three Spring Wagons on same lines as above, 1⅛ in. Axle **$47.50**; 1 in. Axle, **$45.00.**

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE.

No. 4 ROAD WAGON.



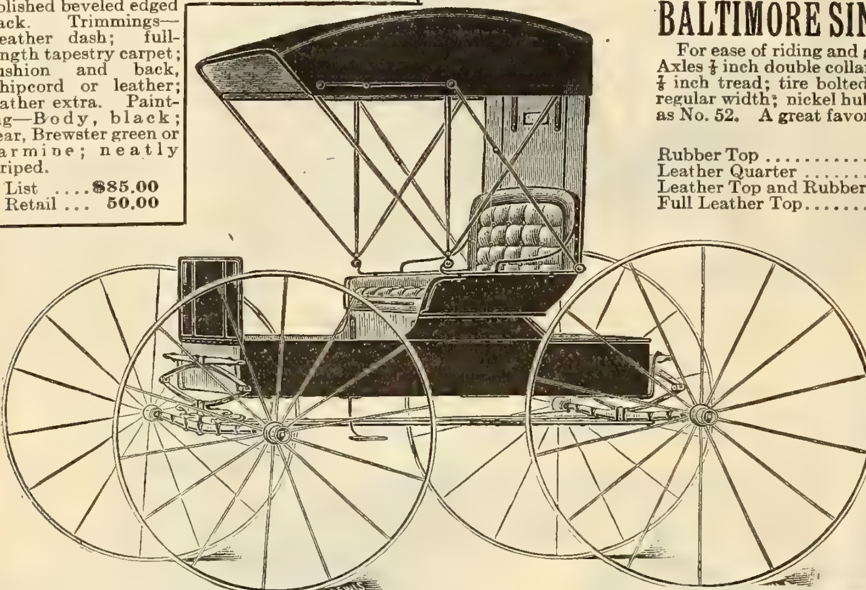
WHEELS—Sarven patent; $\frac{7}{8}$ tread, with round edge steel tire. Gear—Double-Collar Steel Axle; 15-16 inch; fantail and swedged; three-leaf 34-inch Spring; axles bedded and reaches ironed. Body—Size, 49x24 inches on bottom; round corners and concave seat risers; steel body loops. Seat—Size, 16x27 inches, with detachable panel back. Trimmings—Leather dash; carpet in bottom; cushion and back green cloth or imitation of leather. Painting—Body, black; gear, Brewster green; both neatly striped.

List, $62.00. Retail, $35.00.

No. 3 DRIVING WAGON.

WHEELS—Extra selected hickory; Sarven patent or compressed band; $\frac{7}{8}$ inch round-edge steel tire, bolted at every spoke. Gear—Double-Collar Steel Axle, 15-16 inch, fantail and swedged; 36-inch four-leaf graded steel springs; gear woods best black hickory, with axle beds cemented to axles; wrought derby fifth wheel, with taper clip king bolt; bent reaches mortised in head-block and ironed full length. Body—Ash sills and poplar panels, with round corners, swelled sides, convex panels, with oval edge irons and concave seat risers; size, 24x54 inches; full-length steel body loops; wrought steps, with rubber pads; bottom boards put in from the bottom, giving additional leg room. Seat—Size of bottom, 17x28 inches; polished beveled edged back. Trimmings—Leather dash; full-length tapestry carpet; cushion and back, whipcord or leather; leather extra. Painting—Body, black; gear, Brewster green or carmine; neatly striped.

List $85.00
Retail ... 50.00



BALTIMORE SINGLE LEAF END SPRING BUGGY

For ease of riding and general comfort it is not excelled by any other style. Axles $\frac{7}{8}$ inch double collar steel; Warner or Sarven wheels, No. 1 quality, $\frac{3}{4}$ or $\frac{7}{8}$ inch tread; tire bolted qetween every spoke; body 22 inches wide; seat regular width; nickel hub bands; nickel prop nuts; trimmed in leather same as No. 52. A great favorite in the South.

PRICE.	List.	Retail.
Rubber Top	$ 95.00	$52.50
Leather Quarter	100.00	55.00
Leather Top and Rubber Sides	110.00	60.00
Full Leather Top	120.00	70.00

No. 40 Side Bar Buggy, Piano Body

This is Similar in Construction to No. 52, but Not as Fine Grade.

Wheels, No. 1 grade, 3 feet 9 inches and 3 feet 5 inches high; Warner or shell band, $\frac{7}{8}$x3-16 steel tire bolted between every spoke, double perch; well ironed; 15-16 inch double collar, steel axle; springs all clipped on axle; Brewster springs; body black; gear green; black or natural wood finish; can hang on other springs on sufficient notice.

PRICE.	List.	Retail.
Rubber Top	$ 86.00	$48.00
Leather Quarter	90.00	50.00
Leather Top and Rubber Sides	100.00	55.00
Full Leather Top	105.00	57.50

With End Spring, Same Prices.

No. 52 Brewster Spring Buggy.

Seven-eighths Double Collar Swaged Steel Axles; shell band or Warner wheels, No. 1 quality; $\frac{3}{4}$ or $\frac{7}{8}$ inch tread; steel tire bolted between every spoke; body 22 inches wide; seat regular width, upholstered in green or blue broadcloth or leather; cushions on back are plaited; seat lined; a neatly trimmed job; 28-ounce rubber top; nickel fasteners on stays; body hung low. It is nicely finished and style is exceedingly good.

PRICE.	List.	Retail.
Rubber Top	$105.00	$57.50
Leather Quarter	110.00	60.00
Leather Top and Rubber Sides	120.00	65.00
Full Leather Top	130.00	75.00
Nickel Rail	1.10	.65

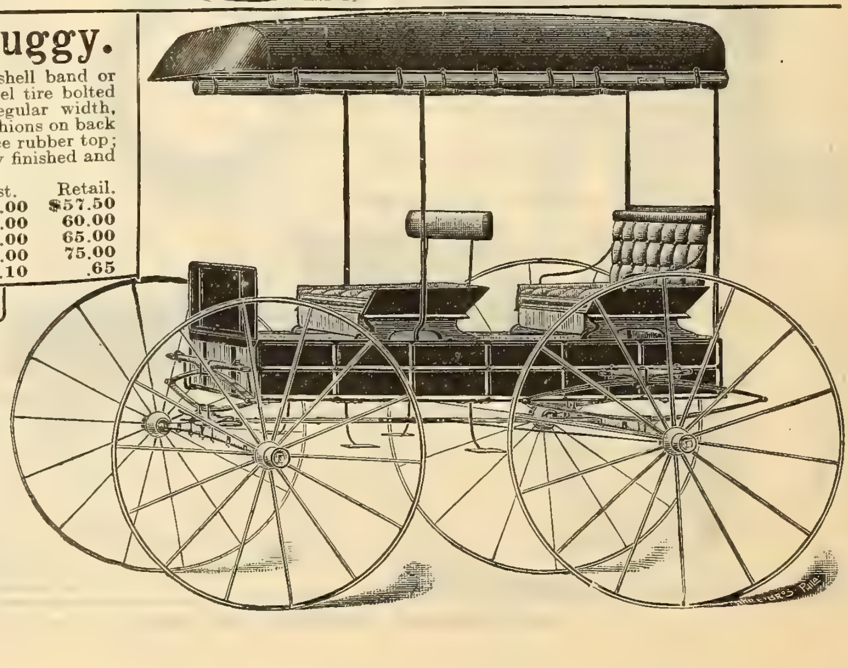
Rim Sleeve Bands......List, $1.50 Retail, $ .85
Nickel Cap .... " 1.50 " .85

No. 4 DAYTON.

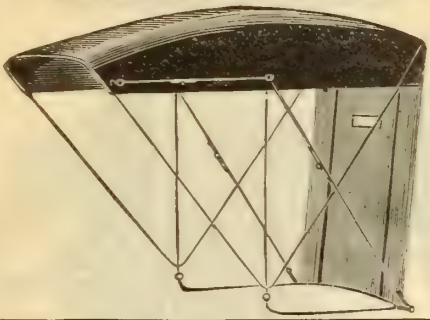
Length of body 5 feet 10 inches, width 2 feet 10½ inches, frame and seats best white ash; panels best No. 1 poplar; wheels 3 feet 9 inches and 3 feet 5 inches high; 1 1-16 inch spoke; Warner or shell band; 1x¼ inch steel tire; 1 1-16 inch steel axle, front spring 1⅜ inch, 4 ply; two back springs 1¼ inch, 4 ply, oil tempered; gear best white hickory; cushions trimmed either leather or cloth; curtains 24 ounces, green back, gum; finished natural wood or painted as desired; hung on Brewster springs.

PRICE—List $110.00
Retail 60.00

Can also furnish in duplex or side bar at same price.



BUGGY TOPS.

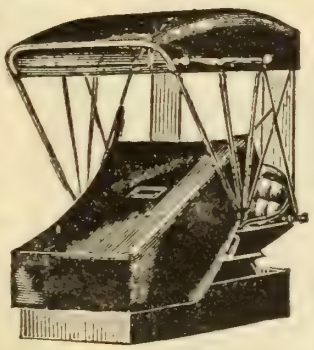


DRILL TOP, lined with nice union cloth. Tubular sockets and second growth bows, wrought rail and joints, stitched front vallance, does not show nails or tacks. Will keep in shape. Side *Curtains* are *included*, making top complete. List, **$12.00** Retail, **$8.00.**

RUBBER TOP, cloth lined, tubular sockets and second growth bows, wrought rail and joints, stitched front vallance, no nails or tacks exposed. Will keep shape for years. Complete with side curtains. List, **$14.00.** Retail, **$9.00.**

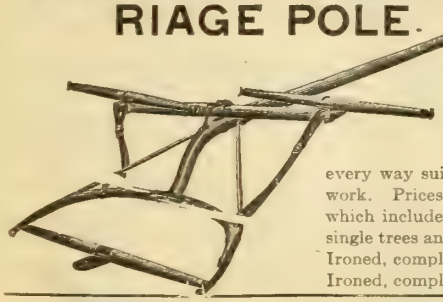
COMMON SENSE STORM APRON.

Adjustable to all dashes; will shed all the water that falls upon it; does not rest on the knees of passenger; can be adjusted or thrown clear of the buggy or wagon in an instant; when attached can be detached and will stand any ordinary storm. It protects the dash from mud; no water can possibly reach within.



	List.	Retail.
Grade (O) Imitation Gum Drill	$1.80	$1.00
Grade (X) 18 ounce Rubber Drill	2.52	1.40
Grade XX 24 ounce Rubber Drill	3.15	1.75
Grade XXX 28 ounce Rubber Drill	3.60	2.00
Grade Oiled Duck for Wagons	4.95	2.75

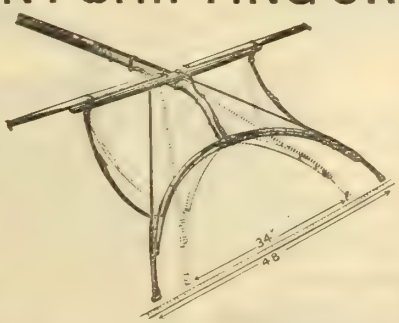
"BALTO." IRONED CARRIAGE POLE.



Is well ironed with wrought iron tees; double or single hammer strap; heavy drop forged stay irons. In every way suitable for medium grade work. Prices are for Pole complete, which include neck yoke, double and single trees and check straps.

Ironed, complete, in the white. **$5.00**
Ironed, complete, painted..... **6.00**

No. 1 PATENT SHIFTING OR ADJUSTABLE POLE.



Shifts to fit any carriage or sleigh. Best selected timber; ironed with Norway iron.

Ironed, complete, in the white, **$6.50.**

Ironed, complete, painted, **$7.50.**

BUGGY WHEELS, FINISHED—	Per Set.	Per Set.
No. 40	List, $20.00	Retail, $12.00
No. 52	List, 24.00	Retail, 15.00

REPAIR, LINE AND COVER YOUR OLD DAYTONS, BUGGIES, EXPRESS OR MARKET WAGONS.

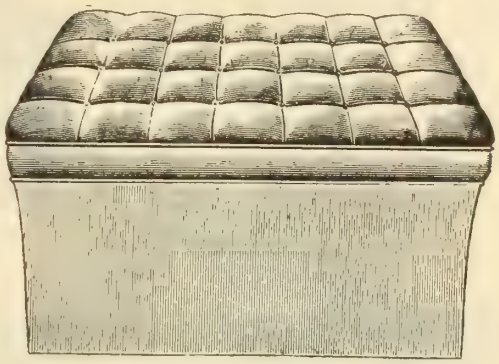
We are prepared to furnish repairs for all vehicles, not enumerated here, including Drill, Rubber or Duck for curtains and covering, with all accessories. Bows for all styles Wagons, Buggies, and Daytons.

Write for Particulars and Prices.

In ordering Cushions give number, size of bottom of seat inside, size of fall at top and bottom and depth from top of sill, or enclose paper pattern.

In ordering Backs give exact measurement of seat at top of rim, from out to out, or if seat is ready ironed up with back board in position, send paper pattern of the exact size and shape of back wanted.

CORDED CLOTH CUSHION, WITH FALL. NICELY MADE.

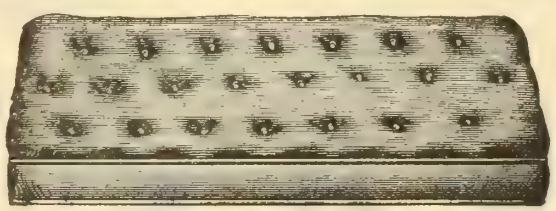


List..... **$2.50** Retail..... **$1.50**

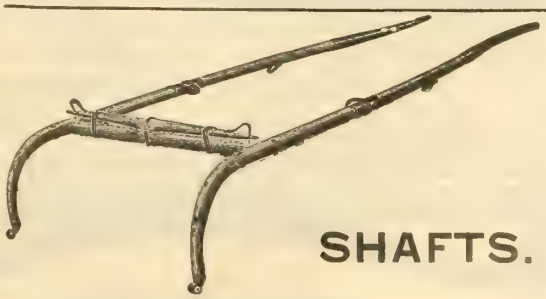
CORDED BACK, TO MATCH ABOVE.

List..... **$3.00** Retail..... **$1.75**

PLAIN DRILL WAGON CUSHIONS.



List..... **$1.25** Retail . ... **$ .85**



SHAFTS.

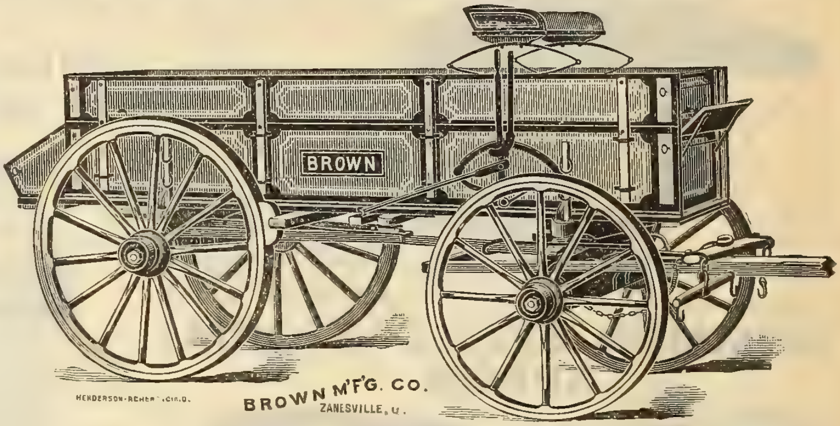
Ironed, complete, in the white, for Buggies	$2.25
Ironed, complete, in the white, for Daytons and Surries	2.75
Ironed, complete, painted, for Buggies	3.25
Ironed, complete, painted, for Daytons and Surries	3.50
Ironed, complete, painted, for Daytons and Surries, heavy	3.75

GRIFFITH & TURNER CO

THE BROWN WAGON

Skein and Axle Differ from All Others.

Axles are made of dried selected hickory. Brown's Patent Extension Chilled Skeins. These Skeins support the axle where it has the greatest load to bear. Superior to the steel skeins, as they allow a greater quantity of the axle to enter the shoe of the skein. They wear longer and run easier because they are chilled on the face. Tongue Chains and Stay Chains fitted with springs. The Tongue Chains have a branch chain to prevent jerking and switching of the tongue and eases the draft on the horses necks. Wheels all positively soaked in hot oil. Tires never get loose. Write for special circular fully describing these wagons.



NUMBER, SIZE AND CAPACITY OF WAGONS.

No. 000—Complete with gear brake, top box and seat. Capacity, 1800 to 2,000 lbs. Price **$65.00**

No. 00—Is a $2\frac{3}{4}$x$8\frac{1}{2}$ in. Patent skein; $7\frac{1}{2}$x$8\frac{1}{2}$ in. hub; $1\frac{1}{2}$x9-16 in. tire; body 9 feet by 12 to 14 inches deep inside, with body gear brake, top box and seat. Capacity, 2000 to 2500 lbs. Price **$67.50**

No. 1—Is a 3x9 in. Patent skein; 8x9 in. hub; $1\frac{1}{2}$x$\frac{5}{8}$ in. tire; body, 9 to $9\frac{1}{2}$ feet long, 13 to 15 inches deep inside, with body gear brake, top box and seat. Capacity, 3000 lbs. Price **$70.00**

No. 2—Is a $3\frac{1}{4}$x10 in. Patent skein; $8\frac{1}{2}$x10 in. hub; tire $1\frac{5}{8}$x$\frac{5}{8}$ or $\frac{3}{4}$ in.; body 10 feet long by 15 to 16 inches deep inside, with body gear brake, top box and seat. Capacity, 3500 lbs. Price **72.50**

No. 3—Is a $3\frac{1}{2}$x11 in. Patent skein; 9x11 in. hub; $1\frac{3}{4}$x$\frac{5}{8}$ or $\frac{3}{4}$ in. tire; body $9\frac{1}{2}$ or 10 feet long and 15 to 18 inches deep inside, with body gear brake, top box and seat. Capacity, 4500 lbs. Price **76.00**

One-Horse Wagon—Is a $2\frac{1}{2}$x8 in. skein; 7x8 in. hub; tire $1\frac{3}{8}$x7-16 in. Capacity, 1200 lbs. Has body gear brake, top box and seat. Price **55.00**

Special Discount for Cash.

In addition to above line of wagons, the company are building for us a special line of Steel Skein Linch Pin Gears, with 4-inch tires.

Prices, etc., as follows:

No. 3—$3\frac{1}{2}$x11 skeins; capacity, 5000 lbs. Price **$80.00**
No. 4—$3\frac{3}{4}$x12 skeins; capacity, 6000 to 7000 lbs. Price **88.00**
No. 5—4x12 skeins; capacity, 7000 to 8000 lbs. Price **97.50**

Depth of body given on all wagons above does not include top box, which is 6, 8, 10 or 12 inches deep. Tubular Axle Wagon furnished on application.

For tires wider than regular add to above prices—

For No. 00—$2\frac{1}{2}$x$\frac{5}{8}$ **$5.50**
For No. 00—3x$\frac{5}{8}$ **8.00**
For No. 1—$2\frac{1}{2}$x$\frac{5}{8}$ **5.50**
For No. 1—3x$\frac{5}{8}$ **8.00**
For No. 2—$2\frac{1}{2}$x$\frac{5}{8}$ **5.00**
For No. 2—3x$\frac{5}{8}$ **6.75**
For No. 3—3x$\frac{3}{4}$ **9.50**
For No. 3—4x$\frac{3}{4}$ **16.00**

If wagons are wanted as gears only, without bodies, but with brakes, deduct from above prices on wagons **$12.50**
If wanted without seat, deduct **2.50**
Extra bodies, complete, with top box, spring seat and lock irons **16.50**
If wagons are wanted without gear brake, deduct **4.50**

EXTRAS ON TWO-HORSE BROWN WAGON.

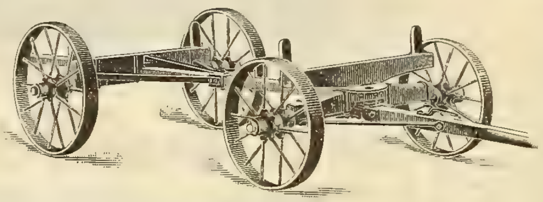
Spring seat, each **$3.50**

"HANDY" STEEL AXLE FARM WAGON

Wheels, 28x4 and 34x4, with removable boxes and staggard spokes

Price **$36.00**
Brake **4.00**
Neck Yokes .... **.75**
Doubletrees **2.00**

Capacity, 5000 pounds.



Bolsters are made of good white oak, with cast sockets bolted on side, so stakes are moveable.

We make reach of white oak, 4x$2\frac{1}{2}$ inches by 12 feet long, adjustable for the ordinary wagon box, or hay ladders 16 feet long.

Axles solid steel $1\frac{3}{4}$ inches, fastened on the bottom of a grooved white oak piece 3x5 inches, with steel clips. On the end of oak piece we bolt cast collar or sand band; improved linch pin.

We make the Standard Gauge 5 feet from centre to centre of tires; 3 feet 6 inches between standards. Narrow Gauge 4 feet 6 inches from centre to centre of tires; 3 feet 2 inches between standards.

STATE IF STANDARD OR NARROW GAUGE WANTED.

Doubletree, Neck Yoke and Brake are extra.

Also furnish HANDY FARM WAGON with Wood Axle, $3\frac{1}{4}$x10 inch skeins, 4x$\frac{1}{2}$ inch tires. Capacity, 4000 lbs. Price, **$33.00**.

These wagons are ordinarily quoted by the manufacturers with $\frac{3}{8}$ inch tires, but you will note our wagons have $\frac{1}{2}$ inch tires, which make the same more expensive, if the cheaper grades are wanted we can order them from the factory specially, and will cost **$1.00** less.

North Patent Adjustable Bolster Springs.

Shows Center Spring in Position for Light Load

Wagon will last longer, will carry load in much better condition, particularly fruit or produce.

To carry 1000 lbs.	**$4.00**	To carry 4000 lbs.	**$10.00**
To carry 1500 lbs.	**6.00**	To carry 5000 lbs.	**11.00**
To carry 2000 lbs.	**7.00**	To carry 6000 lbs.	**12.00**
To carry 3000 lbs.	**8.00**		

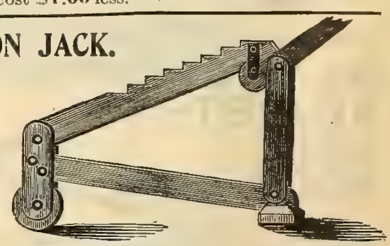
SPECIAL DISCOUNT FOR CASH.

MILLER'S IMPROVED WAGON JACK.

It is Made in Three Sizes.

No. 1—Adapted for buggies or light work. Capacity, 2,000 lbs **$1.25**
No. 2—For heavy wagons, transfer wagons, trucks, etc. Capacity from 3000 to 5000 lbs **$1.50**
No. 3 .... **2.25**

We also have a cheap Jack, very simple in construction, but one which is easily handled, and which is all right for light work. Price, 50c.



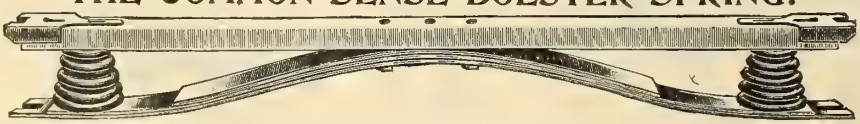
IMPROVED SAMPSON JACK, Malleable Iron.

Best Jack on the market Can be used for any height axle. Standard cannot drop back on cogs when raised to extreme height. No breaking of cogs and standards.

No. 1—Will raise vehicles weighing 2 tons, **$2.50.**
No. 2—Will raise vehicles weighing 5 tons, **$3.25.**
No. 2—Will raise vehicles weighing 5 tons, with drop hook .... **$3.50.**

Can also furnish other Jacks Prices on application.

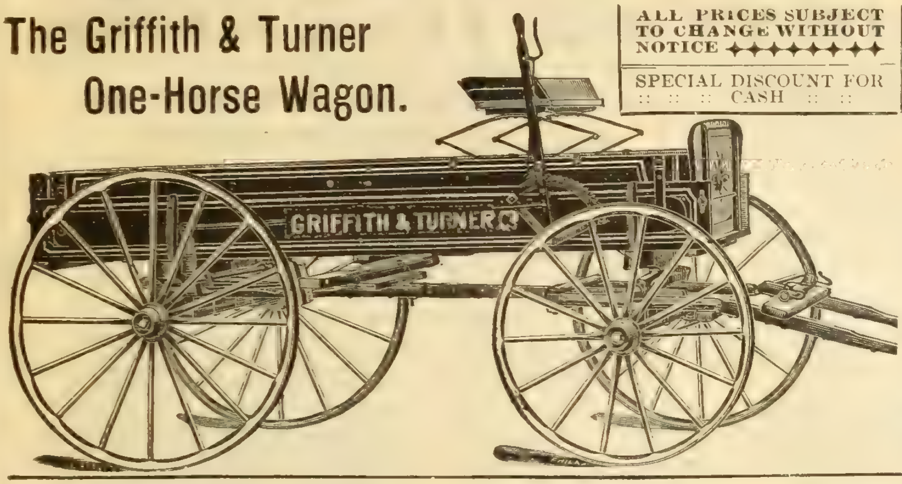
THE COMMON SENSE BOLSTER SPRING.



To carry 1000 lbs.	Per set,	**$5.00**	To carry 4000 lbs.	Per set,	**$ 8.00**
To carry 1500 lbs.	Per set,	**5.50**	To carry 5000 lbs.	Per set,	**9.00**
To carry 2000 lbs.	Per set,	**6.00**	To carry 6000 lbs.	Per set,	**10.00**
To carry 2500 lbs.	Per set,	**6.50**	To carry 8000 lbs.	Per set,	**11.00**
To carry 3000 lbs.	Per set,	**7.00**	To carry 10000 lbs.	Per set,	**12.00**

GRIFFITH & TURNER CO

The Griffith & Turner One-Horse Wagon.



ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE ✦✦✦✦✦✦✦✦

SPECIAL DISCOUNT FOR :: :: :: CASH :: ::

THE GRIFFITH & TURNER ONE-HORSE WAGON has adjustable reach, front hounds, patent wheels, double box, spring seat, and gear or body brake. It is substantially made, and especially adapted for general use. It has an excellent finish, and gives satisfaction.

PRICES G. & T. ONE-HORSE WAGON.

G. & T. One-Horse Wagon, without brake	$32.00
G. & T. One-Horse Wagon with gear brake	35.00
G. & T. One-Horse Wagon, gear only, without brake	28.00
G. & T. One-Horse Wagon, gear only, with brake	31.00
Tongue	5.00
Bodies	7.50

No. 20 ONE-HORSE WAGON, capacity 1500 to 1800 pounds, **$5** each higher than G. & T. Wagon above.

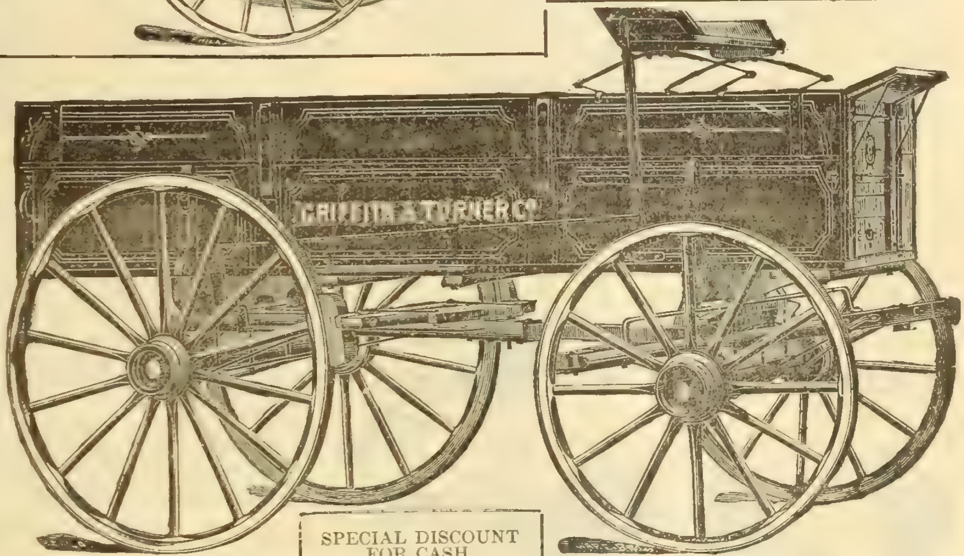
THE GRIFFITH & TURNER Solid Steel and Tubular Steel Axle Wagons.

These Wagons are all heavily ironed and braced, and for use in rough and hilly country they are specially adapted, being exceptionally strong. The wheels are dipped in **Boiling Oil,** and the round-edge tire is used for the protection of felloes and paint. They are one of the lightest-running Wagons made. There is an increasing demand in sandy countries for steel-axle Wagons, and our trade in this style has grown immensely.

The prices include Whiffletrees, Wrench, Stay Chains, Tongue Chains' Box, Top Box, Spring Seat and Gear.

All Wagons will be arranged with Shafts for one horse instead of Tongue when ordered at same price.

Note prices on brakes.

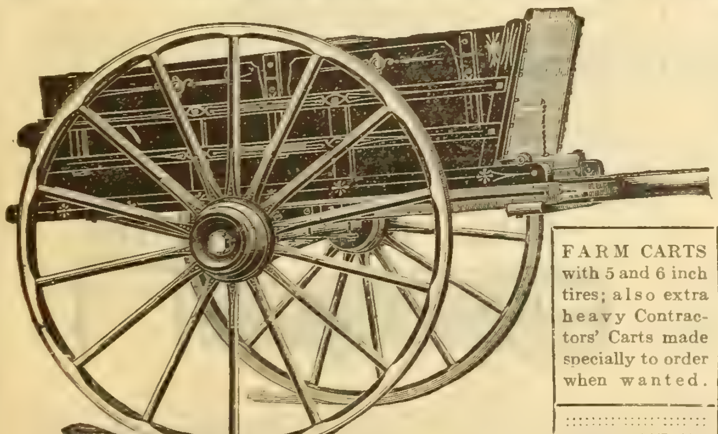


SPECIAL DISCOUNT FOR CASH.

Nos.	Size of Steel Axle.	Size of Tub'l'r Axles.	Size of Tires.	Height of Wheels. Front.	Height of Wheels. Rear.	Dimensions of Body. Length.	Dimensions of Body. Width.	Dimensions of Body. Depth.	Wght.	Capacity.	Wagon complete no brakes.	Wagon complete with brakes.	Gears only with brakes.	Gears only no brakes.
21..	1½	1⅞x 8	1⅜x7-16	3 ft. 6 in.	4 ft. 0 in.	9 ft. 6 in.	3 ft. 6 in.	12 6 in.	.....	2,000 to 2,500	$50.25	$53.75	$47.75	$44.00
22..	1⅝	2⅛x 8	2 x½	3 ft. 6 in.	4 ft. 2 in.	10 ft. 6 in.	3 ft. 6 in.	12 6 in.	900	2,500 to 3,000	61.25	65.75	59.75	55.00
23..	1¾	2⅜x 9	2 x⅝	3 ft. 6 in.	4 ft. 2 in.	10 ft. 6 in.	3 ft. 6 in.	12 8 in.	1,000	3,000 to 3,500	64.50	69.50	61.25	57.50
24..	2	2⅝x 1	2 x¾	3 ft. 6 in.	4 ft. 2 in.	10 ft. 6 in.	3 ft. 6 in.	14 8 in.	1,200	4,000 to 4,500	69.50	74.25	65.00	60.50
25..	2¼	2⅞x11	3 x¾	3 ft. 6 in.	4 ft. 2 in.	Running Gear.			1,200	6,000	81.50	87.50	78.50	74.00
26..	2½	3⅛x12	3 x¾	3 ft. 6 in.	4 ft. 2 in.	Running Gear.			.....	8,000	....	....	85.00	80 50

For Tires wider than above on Nos. 22 and 23, add **$4.50** per inch; on Nos. 24, 25 and 26, add **$5.50** per inch. Rear Brake, extra, **$4.50**.

FARM AND CONTRACTOR'S CART,



FARM CARTS with 5 and 6 inch tires; also extra heavy Contractors' Carts made specially to order when wanted.

These Carts are very strong, heavily ironed, nicely painted, striped and varnished. They are specially adapted for use by Farmers and Contractors. Incorporated in these Carts are all of the best features of the old-style farm cart, even to the trap stick, which we retain, considering it far ahead of any of the patent devices. In consequence of these points we have now unquestionably the best article of its kind ever introduced. We have sold these carts more or less extensively throughout Maryland, Virginia, Pennsylvania, New York, New Jersey, North Carolina and other parts of the South, and, judging from our largely increasing trade, we are prepared to say that it is **Just the Cart Needed.** It has been our sole aim to have nothing but the best.

Size of Axle.	Size of Tires.	Diam. of Wheels.	Price.
1½ inches	2 inches	4 ft. 10 in.	$33.00
1½ inches	3 inches	4 ft. 10 in.	36.00
1½ inches	4 inches	4 ft. 10 in.	40.00
2 inches	2 inches	4 ft. 10 in.	40.00
2 inches	3 inches	4 ft. 10 in.	42.00

SPECIAL DISCOUNT FOR CASH.

ALL KINDS OF MACHINERY REPAIRED.

GRIFFITH & TURNER CO.

DEPARTMENT OF HARNESS.

BUGGY HARNESS.

No. 700—SINGLE BUGGY HARNESS.

Bridle, ⅝ inch; Traces, 1 inch; Saddle, 2½ inches; Breast Collar and Breeching, single leather; Flat Lines, with Web-Hand parts; X-C Mounting. Price, with Collar and Hames, **$7.20**; with Breast Collar, **$6.60**.

No. 603—SINGLE BUGGY HARNESS.

Bridle, ⅝ inch; Traces, 1⅛ inches; Saddle, 3 inches; with Nickel Hook and Terrets; Breast Collar and Breeching, folded, with straight lay; flat Lines; X-C Mounting; imitation Hand Stitched. Price, with Collar and Hames, **$10.25**; with Breast Collar, **$9.60**.

No. 4—SINGLE BUGGY HARNESS

Bridle, ⅝ inch; Traces, 1¼ inches; Saddle, 3 inches; Breast Collar and Breeching, folded with straight lay; flat Lines; X-C Mounting, with Nickel Hook and Terrets; imitation Hand Stitched. Price, with Collar and Hames, **$12.60**; with Breast Collar, **$11.50**.

No. A—HAND-MADE SINGLE BUGGY HARNESS.

Bridle, ⅝ inch; Traces, 1⅛ inches; Saddle, 3 inches, Hand Laced, Leather Lined; Breast Collar and Breeching, folded with wave lay; flat Lines; full Nickel or imitation Rubber Mounting; Hand Stitched. Price, with Collar and Hames, **$22.25**; with Breast Collar **$20.50**.

No. 29—DOUBLE BUGGY HARNESS.

Bridle, ⅝ inch; Traces, 1 inch; fancy bound Pads; 1¼ inch side pieces and folded bellybands; Turnback, ¾ inch; Hip Strap, ⅝ inch, with patent leather Drops; flat Lines; Kip Collars; X-C Mounting. Price, **$19.20**.

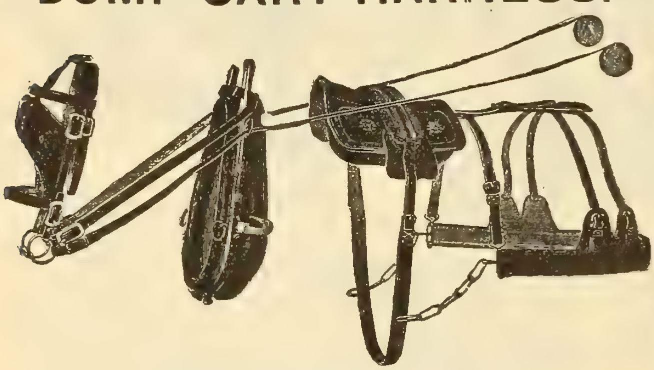
No. 19—DOUBLE BUGGY HARNESS

Bridle, ⅝ inch; imitation Chain Front; Traces, 1⅛ inches; fancy bound Pads under same; 1¼ inch side pieces and folded Bellybands; Turnback, ¾ inch; no Hip Strap; flat Lines; patent leather Collars; full Nickel or imitation Rubber Mounting; imitation Hand Stitched. Price, **$24.00**.

No. 35—DOUBLE BUGGY HARNESS.

Bridle, ⅝ inch; Traces, 1⅛ inches; plain Pads, with leather Housings under same; 1¼ inch side pieces; folded Bellybands; Turnback, ¾ inch, waved; flat Lines; patent leather Collars; Nickel or imitation Rubber Mounting; imitation Hand Stitched; nicely finished. Price, **$30.00**.

DUMP CART HARNESS.



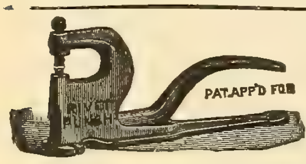
No. A—DUMP CART HARNESS.

Bridle, ⅞ inch; Lines, ⅞ inch; Breeching, 3 inches; No. 5 Saddle, leather covered; No. 62 iron-bound Hames; ⅞-inch Hame Straps; Tug Chains; Kip Team Collar. Price, **$12.25**.

No. 8—DUMP CART HARNESS.

Bridle, No. 218, with Winker Stays; Hames, No. 61, Virginia Hook, with straps; Collar, all Kip Team; Saddle, No. 8, Doubled and Stitched Top, full Pad, leather Girth; Breeching, No. 5, 3-inch double Body, 1¼ inches Turnback, 1¼-inch double Hip Straps. Price, **$18.00**.

PRICES ON CHEAP CART HARNESS ON APPLICATION.



SAVE MONEY ON THE FARM BY USING

RIVET PUNCHES.

THE "FARMERS' FACTOTUM"

FOR MENDING HARNESS, BELTING, ETC.

ADAPTED for No. 1 Tubular Rivets, which are sold by the hardware trade. This little machine will save more time and money for the farmers and liverymen than anything on the market.

PRICE.

Tom Thumb	40c.	Plymouth	50c.
Uncle Sam	50c.	Rivets, box of 100	15c.
Rivets, box of 50	10c.	Rivets, four boxes	50c.

CARRIAGE HARNESS.

No. 93—SINGLE CARRIAGE HARNESS.

Bridle, ⅝ inch; Traces, 1¼ inches; Saddle, 3½ inches; Breast Collar and Breeching, folded with straight lay; flat Lines; X-C Mounting; imitation Hand Stitched. Price, with Collar and Hames, **$13.50**; with Breast Collar, **$12.60**.

No. 94—SINGLE CARRIAGE HARNESS.

Bridle ¾ inch, Chain Front; Traces, 1¼ inches; Saddle, 4 inches; Breast Collar and Breeching, folded with straight lay; flat Lines; Nickel Hook and Terrets; and balance of Mounting X-C; imitation Hand Stitched. Price, with Collar and Hames **$14.25**; with Breast Collar, **$13.25**.

No. 354—SINGLE CARRIAGE HARNESS.

Bridle, ⅝ inch Front; Traces, 1⅛ inches; Saddle, 3 inches, Hand Laced, Leather Lined; Breast Collar and Breeching, folded with wave lay; flat Lines; full Nickel or imitation Rubber Mounting; imitation Hand Sittched. Price, with Collar and Hames, **$15.00**; with Breast Collar, **$13.25**.

No. 20—EXPRESS HARNESS

Bridle, ¾ inch; Traces 1½ inches; to buckle to Hames or with Heel Chains and attached to Hames; Saddle, 4½ inches, with Kersey Lining; folded Breeching, with straight lay; double Hip Straps; Brass or Nickel Mounting; imitation Hand Stitched. Price, **$21.50**.

No. 27—EXPRESS HARNESS.

Bridle, ¾ inch; Traces, 1¼ inches; Saddle, 4 inches; red wood Hames, with X-C Ball Top; folding Breeching, with straight lay; double Hip Straps; X-C Mounting. Price, **$15.00**.

No. 18—EXPRESS HARNESS.

Bridle, ¾ inch; Traces, 1¼ inches, with Cock Eyes; Saddle, 4 inches, with Kersey Lining; red wood Hames, with Brass Ball Top; folded Breeching, with straight lay; double Hip Straps; Brass Mounting; imitation Hand Stitched. Price, **$18.60**.

No. 10½—DOUBLE WAGON HARNESS.

Bridle ¾ inch; Harness Leather Winkers; Ball Top Hames; 1½-inch Traces, riveted to Hames, with Chain Ends; folded Pad and Breeching; ¾ inch double Hip Strap; Kip Face Collars; flat Lines. Price, **$22.75**.

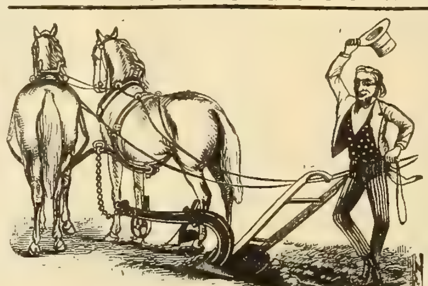
No. 9—DOUBLE WAGON HARNESS.

Bridle ¾ inch; patent leather Winkers; Ball Top Hames; 1½-inch Traces, riveted to Hames, with Chain Ends; folded Pads and Breeching; ¾ inch double Hip Strap; Kip Collars; flat Lines; imitation Hand Stitched. Price, **$25.75**

No. 17—HEAVY DOUBLE WAGON HARNESS.

Bridle, ¾ inch; patent leather Winkers; Box Loop Checks; Brass Ball Top Hames; 2-inch Traces, riveted to Hames, with Chain Ends; heavy Pads and Breeching; 1-inch double Hip Strap; Kip Collars; flat Lines; imitation Hand Stitched. Price, **$38.40**.

HORSEBACK GOODS ON APPLICATION.



THE SHERWOOD TUGLESS HARNESS.

This Harness is specially suited to plowing in orchards as there are no chains or single trees to cut the bark of the trees. It can be adapted to any kind of work.

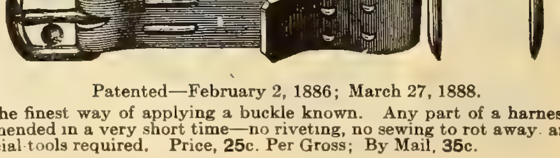
THIS HARNESS CONSISTS OF—

1.—Yoke suspended underneath horses, made of spring steel, oil tempered.
2.—Back-bands made of best quality four-inch webbing.
3.—Hames, good quality, same style as ordinarily used either on high or low tops.
4.—Short tugs, short steel rods properly bent, with short chains attached for purpose of adjustment.
5.—Draft chain, seven feet in length.
6.—Hame straps, good quality leather.

Price, No. 2.—For horses weighing from 1,000 to 1,300 .... **$12.00**

(This is the regular size for farm work.)

"RAPID" HARNESS MENDERS.



Patented—February 2, 1886; March 27, 1888.

The finest way of applying a buckle known. Any part of a harness can be mended in a very short time—no riveting, no sewing to rot away, and no special tools required. Price, **25c.** Per Gross; By Mail, **35c.**

GRIFFITH & TURNER CO

UNCLASSIFIED GOODS.

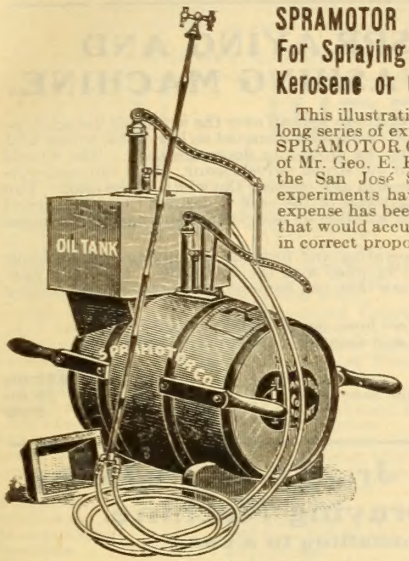


Fig. 21.

SPRAMOTOR COMBINATION OUTFITS, For Spraying Mechanical Mixtures of Kerosene or Crude Petroleum.

This illustration will show the results of a long series of experiments on the part of the SPRAMOTOR CO., aided by the experience of Mr. Geo. E. Fisher, the chief inspector of the San José Scale investigation. These experiments have been exhaustive, and no expense has been spared to make a machine that would accurately measure oil and water in correct proportions, and also deliver it upon the tree in the same proportion.

The machines are made for one to eight nozzles, and are fully warranted to do accurate work, and as the oil and water are separate until they mix at the nozzle, the trouble experienced with machines of single conducts is obviated.

The oil tank can be provided with a hot water jacket for winter spraying, when so ordered, at an advanced price. This is valuable to keep the crude oil at the right temperature to flow in very cold weather.

Any two Spramotors can be arranged to make a combination Oil and Water Spramotor, and special appliances will be supplied by the Spramotor Co. to those already using a Spramotor, and is economical for large operators.

All of these combination machines are provided with double lines of hose, with double patent hand valves, and patent bamboo (or iron) extension pipes, as may be ordered, having double pipes, the one within the other with drip guard, mixing chamber with diaphragm. Bordeaux or any mixture may be used as well as the combined oil and water mixutre.

Fig. 21 is composed of a No. 0 and No. 1 Pump. No. 0 is the Oil Pump and installed in the square oil tank, while No. 1 Pump is installed in barrel which contains water. The square tank can be detached from the barrel by loosening two bolts, and either pump can then be used for spraying any of the other insecticides. No. 0 Pump is smaller than No. 1, and when used alone has force enough for one nozzle. No. 1 alone has force for 2 or 3 nozzles. When combined there can be used two lines of hose and 2 or 3 nozzles on each line.

Prices include barrel on the oil and water combinations only. On all other combinations barrel is extra.

The most important features of all of these Spramotor Pumps are the Patent BRASS BALL VALVES, *and the Patent* BRASS PLUNGERS, *and we desire to call special attention to them in your examination of the various spray pumps on the market.* Any of these pumps can be used for *Painting or White-washing.* (*See next page.*)

OUTFIT A–0|0.

Price for two No. 0 Spramotors in combination, with 10 ft. double lines of hose; two patent hand valves; double combination; extension pipe with mixing chamber; diaphragm and drip guard with 50-gallon water barrel and galvanized oil tank; complete as shown, with one nozzle, with bbl. and Tank $29.00
Extra for two nozzles, cluster 1.00
Less, if double iron extension pipe instead of bamboo 1.00
Extra hose 12c per foot net

OUTFIT B–1|0.

Price of No. 1 Water Motor and No. 0 Oil Spramotor in combination, as described in Outfit A, with two nozzles, with bbl. and Tank $35.00
Less if iron extension pipe is used 1.00
Extra for double lines of hose &c., for three operators and two nozzles 10.50

OUTFIT C–1|1.

Being No. 1 Water and No. 1 Oil Spramotor in combination, as described in Outfit A, for two operators, two nozzles, with bbl. and Tank $39.50
Extra for extra line of hose and double accessories 10.50
Less if with iron extension pipes, each 1.00

OUTFIT D–2|0.

Being No. 2 Spramotor and No. 0 Spramotor in combination, complete with two lines of hose, patent hand valves, two bamboos, four nozzles, (two on each line) for three operators, with bbl. and Tank $49.50
Less if iron extension pipes instead of bamboo 2.00

If Hot Water Jacket for spraying Crude Oil in winter is wanted, write for prices.

Above prices include barrel and oil tank. If Pumps with larger tanks are wanted, state size tank and size pump.

Spramotor, Jr., Pumps.

Fig. 9

For spraying all kinds of insecticides, including Bordeaux Mixture and Lime, Salt and Sulphur. Has all the improvements that go to make up the pumps used in the oil combination. Prices do not include barrel.

Price. Spramotor No. 1 only, steel air chamber and iron agitator, without barrel $10.00
Price, Spramotor No. 1 only, all brass except plates and handle, without barrel 13.00

The above prices do not include accessories.

SPRAMOTOR OUTFIT I-A.

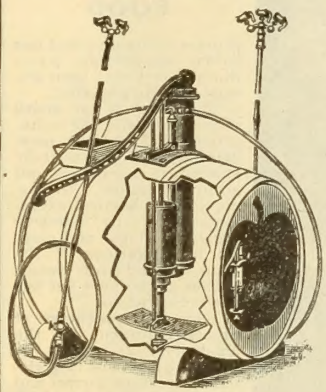
For Low Spraying, One Line Hose.

One Spramotor Jr. No. 1 (as described above) arranged with one line of ¼ inch hose 10 feet long, with couplings attached, one Spramotor nozzle.
Price complete, without barrel $12.00
Same with 2 lines hose each 10 feet, and 2 nozzles ... 14.50
Extra if all brass except handle and plates 3.00

SPRAMOTOR OUTFIT I-B.

For Low Spraying, One Line Hose.

One Spramotor Jr. No. 1 (as described above) with one line of ¼ inch hose 10 feet long, with couplings attached, one Spramotor lance 13 inches long, and one Spramotor nozzle, without barrel.
Price, without barrel $12.50
Same, with 2 lines hose, 2 lances and 2 nozzles 15.00
Extra, if all brass except handle and plates 3.00



SPRAMOTOR OUTFIT 2-G

For Apple Spraying, Bordeaux or Other Mixtures.

This outfit is our model outfit for No. 2 Spramotor, with three-nozzle cluster connection and three Spramotor nozzles on the one extension rod. The best results are made possible only by the use of this device, and we cannot too strongly recommend it to fruit growers as the best up-to-date apparatus for economy. This apparatus will repay its entire cost in one season on an orchard of 500 trees in saving of labor.

Price, without barrel $21.10
With iron extension rod and patent drip guard 19.60
Extra, if all brass except handle and plates 3.00

Bamboo Extension Rods.

Price, bamboo rod, 8 or 10 feet, with drip guard $2.50
Price, 10 foot bamboo extension rod with drip guard, two-nozzle cluster and Pat. hand valve attached. Complete 5.50

Spramotor Hand Valve.

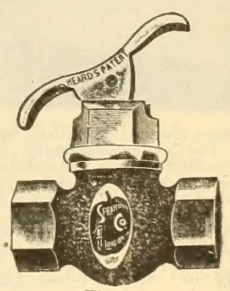


Fig. 52.

Fig. 52.

It can be opened or closed with one hand while pumping with the other hand. By its use the hands are kept dry. For whitewashing or painting work it is invaluable, and will last longer than a dozen stopcocks.

Price $1.00

Spramotor Nozzles.

Single nozzles, by mail $0.80
Two-cluster, with Patent Drip Guard, by mail 2.00
Three-cluster, with Patent Drip Guard, by mail 2.90

CATALOGUES FULLY DESCRIBING THESE GOODS WILL BE MAILED FREE ON APPLICATION.

GRIFFITH & TURNER CO.

UNCLASSIFIED GOODS.—Continued.

THE SPRAMOTOR COMBINATION KNAPSACK

For Mixing and Spraying Mechanical Mixtures of Oil and Water.

It can be used for all classes of spraying with one operator, is made with all brass Spramotor, with copper or galvanized tank, as desired, with or without the oil mixing attachment.

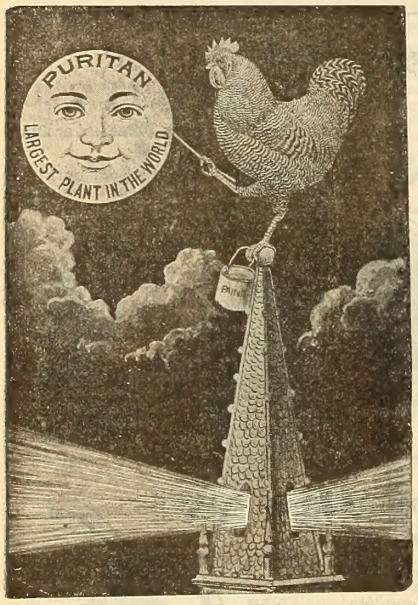
The Spramotor Combination Knapsack is built with tanks of the finest cold rolled copper with apron to prevent splashing, leather straps, right and left hand action without detaching anything simply turning it over from one side to the other when one arm is tired. **The very acme of excellence in** mechanical construction, strictly high **grade throughout. Automatic** plunger, automatic mechanical agitator, strainer, detachable bronze ball valves, double hose 3 feet long, double shut-off valves, double brass extension pipes, and mixing chamber and drip guard with nozzle..... **$24.00**
Same, if with galvanized tanks **20.00**

SPRAMOTOR KNAPSACK

OIL TANK DETACHED.

This is the same pump as already described above, but with the oil tank detached, arranged with one line of hose, patent hand valve, and brass extension pipe, drip guard and nozzle.
Price, complete with copper tank **$15.00**
Same, with galvanized tank..... **12.00**

These machines are unlike any other knapsack before offered to the public, and are warranted to be better value for the money invested than is obtainable elsewhere.



PURITAN CHICK FOOD

is not a compound that has been accidentally produced, nor has it been unscientifically prepared.

The cause of the death of young chicks due to improper food has been most carefully and exhaustively studied, in a practical and accurate manner. Microscopic and chemical examinations of the digestive organs of chicks and careful investigations of the thorough and ready assimilation of the food fed has been resorted to.

Thus the percentage of proetein present in the chick food, as well as the other constituting elements are most correct and are the only ones by which a thoroughly practical chick food can be attained.

The preparation of the original formula has cost a great deal of money, time and labor involving the examinations under all possible circumstances, and combinations of them, of thousands of different cases, these examinations by persons that are authorities on the subject.

The food as used on the Puritan Farms and what it has already done there, is sufficient proof of its efficiency, still since its advent upon the market it has been hailed only as an article can that is in actual demand, and that gives proof at once to all that it fills all the requirements that are claimed for it.

Parties that have ONCE USED this food would not be without it, and as this rule applies so universally, all that is asked is a trial NO MATTER HOW SMALL; the result shall then be left to the food, which will speak for itself.

5-lb. Box, 35c.; 25-lb. Bag, **$1.50**; 50-lb. Bag, **$2.50**; 100-lb. Bag, **$4.50**. Special Prices in large quantities

BUG DEATH

FOR FRUIT TREES. NON-POISONOUS.

DOES NOT INJURE THE FOLIAGE, acts also as a Fertilizer.

VERY BENEFICIAL results are obtained by using this powder in conjunction with Bordeaux Mixture. They can be mixed and sprayed at same time, with any of the Spraying Machines.

Price, 1-lb. Package, 15c.; 3-lb. Package, 35c.; 5-lb. Package, 50c.; 12½-lb. Package, **$1.00**; 100-lb. Package, **$7.00**.

See page 57 for Bug Death for Potato Bugs

PAINTING, SPRAYING AND WHITEWASHING MACHINE.

A type of Spramotor that has been sent all over the world for the application of oil and water paints. The barrel is mounted on low castor wheels and intended to be used wherever the ground or floors are hard. The wheels are strong, and are fitted wiht our strong swivel castor. It is very convenient in handling; will pass through any opening the width of the cask. The Spramotor will be fitted lengthwise of the cask if desired. Can be turned **within its own length**; can be handled by one person, and has all the latest **improvements.**

Complete directions for operating and formulæ for mixing and applying the paint and whitewash are supplied with the apparatus. It is fully warranted, and will do better work than can be done with brushes, and twenty times faster.

Price, with Spramotor, ten feet hose, patent hand valve, 8-foot iron extension rod, drip guard and painting nozzle, barrel and screen complete, as follows:

With No. 1 Spramotor **$22.00**
If with double lines of hose and accessories **28.00**
If with brass agitator, extra..... **1.00**

Spramotor Jr., No. 0, Painting and Spraying Machine.

For Installing in a Can.

This is the same style pump as described on preceding page, but smaller. It will be found the best appliance for painting your barns or fences and rough surfaces, whitewashing and disinfecting your poultry houses or cellars and spraying all kinds of fruit trees.

Even should you be possessed of a large spraying apparatus, there are many odd jobs that a barrel outfit will be found too large and too cumbrous to take around to the various buidlings and through small openings.

Complete formulæ and directions will be supplied to all purchasers. Can be operated by one person.

Price, complete, with 2½ feet hose and Spramotor, painting and spraying nozzle, without can..... **$7.25**
Five gallon heavy galvanized can, extra..... **2.00**

EXTRAS.

Iron Lance, 1 to 3 ft. long..... **$ .25**
Patent Hand Valve (see preceding page)..... **1.00**
Automatic Adjuster to paint or whitewash ceilings **3.00**

CORNELL UNIVERSITY COLLEGE OF AGRICULTURE.
Ithaca, N. Y., May 9, 1901.

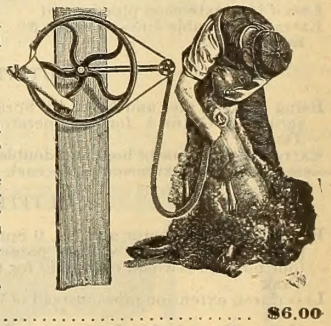
SPRAMOTOR CO.
Gentlemen:—We have been using your pump in our orchard and demonstration work. Our men speak of it in the highest terms. There is an abundance of power and it works easier than any other pump we have.
Yours sincerely, JOHN CRAIG.

OHIO AGRICULTURAL EXPERIMENT STATION.
Wooster, O., September 6, 1901.

SPRAMOTOR CO.
Gentlemen:—I have used the Spramotor in experimental work. It has given me better satisfaction than anything else I have ever tried for spraying crude petroleum mixtures. The machine works easily.
Yours truly, F. M. WEBSTER, Entomologist.

Sheep Shearing Machine.

The cut represents our hand-power, high-grade, gearless machine, furnished with patent all-tempered steel flexible shaft.



DUPLEX TENSION.

The mechanical arrangement is such as to allow a high rate of speed, with a minimum amount of wear.

In the Heads and Cutters for these Sheep Shearing Machines, all wearing parts are hardened steel or phosphor bronze. The stem of this head is elevated at an angle with the head proper, making it easy to handle.

Price, Machine Complete **$15.00**

Extras, Knife for Shearing Horses **$6.00**

Larger outfits can be furnished for shearing large herds of sheep.

Catalogues Fully Describing These Goods will be Mailed Free on Application.

Prospective Customers who are not rated in the Commercial Agencies will save time in having their goods shipped by accompanying their Orders either with the Cash or satisfactory references. Baltimore references preferred.
NOTICE.—We make a specialty of quoting on complete outfits. SEND FOR PRICES.

FILLING ORDERS.—Every order is filled and forwarded as promptly as possible, but if not duly received, please notify us and we will make every effort to trace it without delay. Do not fail to sign your name and give full address.
PACKING AND SHIPPING.—We make no charge for boxes or packing of retail orders, and deliver all goods to any railroad or steamboat free of charge. We charge for cotton bags as follows: Peck and ½ bushel, 10 cents each; 1 bushel, 15 cents each; 2 bushels, 20 cents each.
HOW TO REMIT.—Remittances should be made by Draft, Express Money Order, P. O. Money Order or Registered Letter.
WE PAY THE POSTAGE TO ANY POST OFFICE IN THE UNITED STATES ON ALL VEGETABLES AND FLOWER SEEDS, by the Packet, Ounce or Quarter Pound. On quantities over quarter pound the purchaser pays the postage at a rate of 8 cents per pound. On Beans, Peas and Corn, 8 cents per pint or 15 cents per quart should be added to Catalogue Price to pay postage.
ON EVERY ORDER be sure to sign your name and give your address plainly, as we frequently receive orders lacking either or both; also give full shipping instructions.
PRICES TO MARKET GARDENERS.—Market gardeners and all other purchasers of Seeds in large quantities, should send for our special prices.

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